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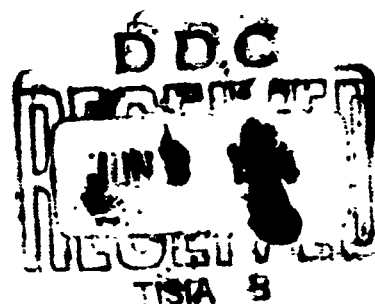
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STRUCTURAL FLIGHT LOADS DATA FROM C-130 AIRCRAFT

TECHNICAL DOCUMENTARY REPORT No. ASD-TDR-64-78

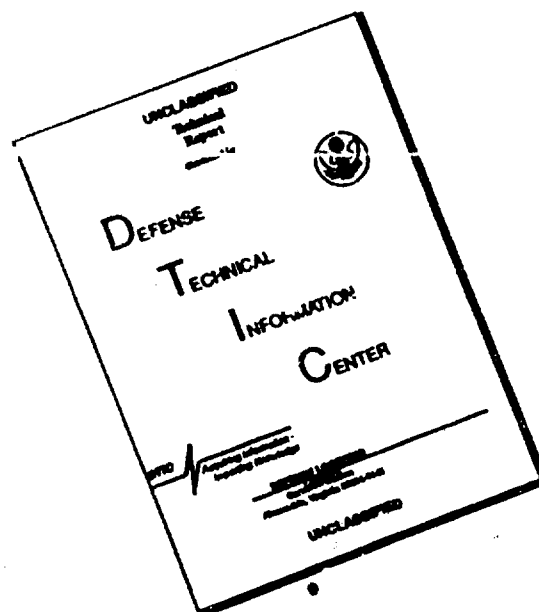
APRIL 1964



C-130 SYSTEM PROGRAM OFFICE
AERONAUTICAL SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

(Prepared under Contract No. AF 33(657)-9845 by
Technology Incorporated, Dayton, Ohio;
Authors: Larry E. Clay and Alan P. Berens)

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FOREWORD

This report on the C-130 flight loads program was prepared by Technology Incorporated, Dayton, Ohio, in compliance with the requirements of Air Force Contract AF 33(657)-9845. The program was initiated by the Structures and Air Environment Division, Directorate of Defense and Transport Systems Engineering, Deputy for Systems Engineering, Research and Technology Division, Wright-Patterson Air Force Base, Ohio. Lt. Joseph Madden, of the C-130 System Program Office, Aeronautical Systems Division, was the Air Force project monitor and Lt. Ned H. Sandlin, of Structures and Air Environment Division, provided engineering support. The key personnel of Technology Incorporated involved in this contract were as follows: Mr. Joseph F. Braun, project engineer; Mr. Cyril G. Peckham, director of the Data Processing Division; Mr. John F. Nash, supervisor of the Data Reduction Section; and Mr. Kenneth L. Rickey, director of the Systems and Electronics Division.

The authors gratefully acknowledge the assistance given by personnel of the United States Air Force and the United States Coast Guard and by Messrs. William E. Morrin, John Mitchell, and James Gallico of Technology Incorporated.

ABSTRACT

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This report discusses a C-130 flight loads program conducted to obtain, process, and analyze data of three in-flight variables—normal acceleration at the aircraft's center of gravity, altitude, and airspeed. From four C-130 models—C-130A, C-130B, JC-130, and HC-130G—8155 hours of usable data were acquired. The aircraft operated from six bases located in the Pacific, the Continental United States, and Europe. Presented in this report are a history of the data recording and discussions of the techniques for data recording, processing, and analyzing. None of the models yielded any data exceeding the design limit load factors. The various air base locations appreciably affected the gust spectra. In the lower load factor range of the C-130A and C-130B data, the gust spectrum was more severe than the maneuver spectrum. () ↘

PUBLICATION REVIEW

This report has been reviewed and is approved.

William B. Miller
WILLIAM B. MILLER
Chief, Structures and Air
Environment Division

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SECTION I

INTRODUCTION

This report discusses the C-130 structural flight loads program conducted to obtain, process, and analyze service loads data from four models of this aircraft type. These models are the C-130A, C-130B, JC-130, and HC-130G. Since all models are similar in configuration, the C-130 photograph, shown in Figure 1, may typify all the aircraft. The processed data analyzed and presented in tabular and graphic form will be used to derive the operational loads spectrum for each of the models. Then these spectra will be related to previous investigations for possible revision of the predicted loads spectra and fatigue analyses.

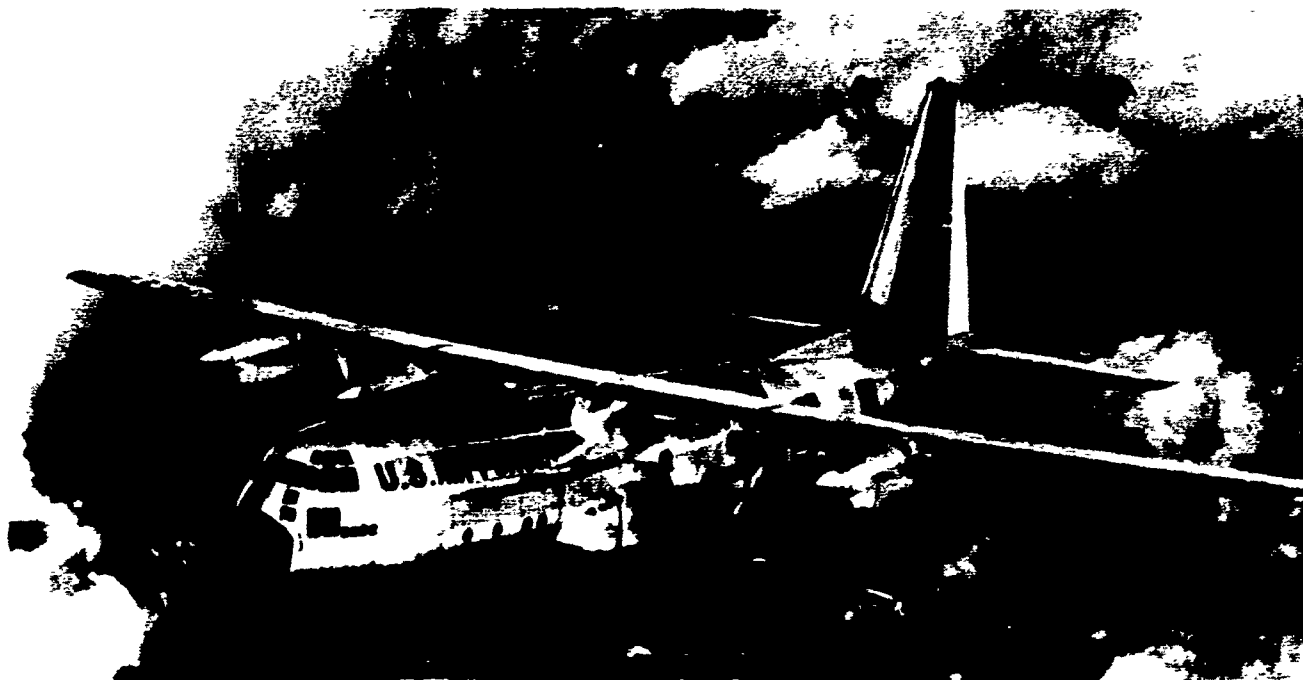


Figure 1. View of C-130 Airplane

Denoted by "VGH," the recorded in-flight parameters are normal acceleration at the aircraft center of gravity, airspeed, and altitude. As listed in "Flight Loads Instrumentation of C-130 Aircraft" (Ref. 1), other associated data are integrated with these parameters to provide information needed for certain computations and to permit the breakdown of the flight loads according to mission type and ranges of aircraft gross weight as well as ranges of airspeed and altitude.

Presented in the following sections are a history of the data recording phase of the program; techniques for data recording, processing, and analysis; a discussion of the analyzed data; and a critical review of the data results.

SECTION II

DISCUSSION

A. Data Recording Program History

The C-130 aircraft instrumented to represent the in-flight performance of the four models were located at six bases. Table I lists these bases along with the models of C-130 aircraft instrumented at each base.

Table I

Aircraft Instrumentation by Air Base and Model

<u>Air Base</u>	<u>Model</u>
Dyess Air Force Base, Texas	C-130A*
Evreux Air Base, France	C-130A and C-130B
Naha Air Base, Okinawa	C-130A
Sewart Air Force Base, Tennessee	C-130A* and C-130B
Hickam Air Force Base, Hawaii	JC-130
Barbers Point Naval Air Station, Hawaii	HC-130G

*During July 1963 the aircraft instrumented at Dyess Air Force Base were transferred to Sewart Air Force Base.

To acquire the desired amount of data within the prescribed recording period, Technology Incorporated prepared 50 recording systems and initially instrumented 70 aircraft so that the systems could be transferred from one aircraft to another for their maximum use. During the eleven-month field effort, an additional 39 aircraft were instrumented to replace those no longer available because of transfer, modification, and other reasons. The distribution of the four models among the first 70 instrumented aircraft was as follows: 31 C-130A's, 29 C-130B's, 7 JC-130's, and 3 HC-130G's.

Installation of the recording systems was begun on 27 November 1962 and completed on 11 February 1963. Data recording was initiated on 2 January 1963 and ended on 31 October 1963. From the data recorded during this period, 8,155 hours of flight data were subsequently processed and analyzed. All recording systems were removed from the aircraft by 22 November 1963.

Early in the data recording program, structural cracks were discovered in the wing risers of some C-130B aircraft. Consequently, all C-130B, JC-130, and HC-130G aircraft were placed under airspeed and load factor restrictions until their structures could be adequately modified. The restriction on each aircraft was removed after its structure had been modified satisfactorily. Between 27 March and 16 June 1963, 301.2 flight hours were recorded on the restricted aircraft. Although this data was processed, it was not combined with the rest of the data.

Between 15 July and 16 August 1963, some 150 C-130B aircraft participated in the Swift Strike III exercises conducted in the southeastern part of the United States. Among the participating aircraft were 60 C-130B's from Sewart Air Force Base, of which 6 were equipped with recording systems. Collectively, the 6 aircraft flew more than 85 flights involving air drops of cargo and para-troops, cargo drops with a ground proximity extraction system used, and assault landings.

B. Data Recording, Processing, and Analysis Techniques

1. Data Recording System

The VGH data recording system comprised a Century Model 409H oscillograph, a bridge control unit, and strain gage type of transducers. With the exception of the accelerometer, the instrumentation was positioned near Fuselage Station 245 in the cargo compartment. The accelerometer was installed at about Fuselage Station 517; this position was selected from the available areas as the one closest to the aircraft's center of gravity. Reference 1 contains a detailed description of the instrumentation and installation.

Each parameter was traced on a 3 5/8-inch-wide oscillogram by a reflected beam of light whose projection onto the photosensitive paper varied in proportion to the rotation of a galvanometer mirror in the oscillograph. The oscillogram ran at a constant speed of eight inches per minute and could record approximately 3 1/2 hours of continuous in-flight data. The frequency response of the recording system was limited to approximately eight cycles per second since individual acceleration peaks of higher frequency could not be distinguished because of the slow oscillogram speed. However, this limitation could affect only high-frequency or fine-scale turbulence data whose acceleration values would normally be below the reading threshold.

2. Data Processing

To prepare the oscillogram records for the data reduction process, editors reviewed each record to check the proper functioning of the recording instrumentation and to note the instants at which the parameters were to be read. Then, using semiautomatic Benson-Lehner Oscar K readers with key-punch output, machine operators measured the displacements of the parameters at the selected instants.

As indicated in the following, several reviews of the data extracted from the oscillograms were conducted before, during, and after the computations performed at the IBM 7094 computer facility at Wright-Patterson Air Force Base. First, a "preliminary check" was made to ensure the correct machine reading of the record, that is, all measurements taken at the selected instants, proper code symbols employed, and large displacements correctly

measured. Second, all records passing the preliminary check were submitted to the Quality Control Section for checking the measurement accuracy. Quality control personnel randomly selected and precisely measured in each record sample displacements, the sample size varying with the total number of readings within an oscillogram and with the accuracy previously observed. These measurements compared with the corresponding ones obtained by the machine operation yielded discrepancies which were plotted on control charts.

The criteria for the Quality Control rejection of a record were twofold: (1) two discrepancies plotted outside the limits of the corresponding control chart and (2) continuance of discrepancies found to be either all positive or all negative, even though their plots were within the control limits. The initial detection of all positive or all negative discrepancies caused an increase in the sample size. Either cause for record rejection required return of the record with the reason for rejection to the data reduction section. After the original machine operator, identified on the record by a code number known only by the data reduction supervisor, was informed of the type of error, she was directed either to make the necessary corrections or to reread the entire record. Such detections and subsequent corrective actions ensured a reading consistency among the machine operators.

Both the mean and standard deviations were computed progressively throughout the program to check the criteria for the limits used on the control charts. Upon completing the processing of the 8155 hours of flight data, the mean value of the discrepancies was 0.0004 g and the standard deviation was 0.01 g. Consequently, 99.7 percent of the data should have an error less than 0.03 g.

Preparatory to computing the data, data extracted from Supplementary Data forms and the preflight calibration section of the oscillograms were merged with the data from the records found acceptable by the Quality Control Section. The supplementary and calibration information for each record were checked for completeness and harmony with other data acquired from the same recording system.

The computer program compared acceleration, altitude, and airspeed values, gross weight computations, and combinations of these with operational limits based on data extracted from References 6 and 7. Any value or combination of values falling outside a limit was detected by the computer and noted in a "comments" column in a preliminary computer printout. If a value exceeded a limit to the extent that it indicated erroneous data, the computer rejected all data in the record and proceeded to the processing of the data in the next record. If successive measurements bypassed airspeed or altitude ranges, the computer interpolated values to represent each bypassed range and printed a comment to indicate that the interpolation had been performed. The computer sorted the processed values for printing in tabular form. The printed data includes the following parameters in various combinations: gross weight, equivalent airspeed,

Each acceleration peak was designated as either a maneuver or a gust and was denoted, respectively, by n_z or Δn_z . The following trace characteristics indicated the effects of turbulent conditions and, consequently, governed the identification of a peak as a gust:

- (1) a jagged pattern in the airspeed trace,
- (2) frequency and random changes in the acceleration trace with most of its peaks being sharply pointed, and
- (3) an acceleration peak whose duration was generally less than two seconds.

Those peaks not accompanied with these trace characteristics were designated as maneuvers.

3. Data Analysis Techniques

The structural loads associated with the different mission types were compared by preparing "exceedance" curves for each mission type. These curves may be defined as plots of the time required to reach or exceed given values of the normal load factor. Exceedance curves based on the composite of data from all mission types were also prepared to indicate the structural loads environment for aircraft performing the various assignments constituting normal operation. As the data were combined, special weighting techniques were used to compensate for differences in the operational requirements at the six bases and for the unintentional unbalance in the types of missions recorded at each base.

Values of derived gust velocity (U_{de}) for the C-130 aircraft were calculated by using the following equation:

$$U_{de} = \frac{1.1850 \cdot W \cdot \Delta n_z}{m \cdot \rho_o \cdot S \cdot V_e \cdot K_g},$$

where

- U_{de} = derived gust velocity in ft/sec,
- W = gross weight in pounds,
- Δn_z = incremental normal load factor = $n_z - 1.0$,
- m = lift curve slope (per radian),
- ρ_o = sea level density = .0023779 slugs/ft³,
- S = wing area = 1745 ft²,
- V_e = equivalent airspeed in knots,
- K_g = gust factor, defined as follows

$$K_g = \frac{0.88 \mu_g}{5.3 + \mu_g}$$

$$\text{and } \mu_g \text{ may be expressed by } \mu_g = \frac{2W/\rho_o}{m \cdot \sigma \cdot c \cdot S \cdot g}$$

where

g = acceleration of gravity = 32.174 ft/sec²,

σ = density ratio = ρ/ρ_0 , and

c = mean aerodynamic chord = 13.7 ft.

Substitution of the constant values in the U_{de} equation yields

$$U_{de} = (1573\sigma + 0.3248 \frac{W}{m}) \frac{\Delta n}{V_e}$$

where the lift-curve slope m for the C-130 is defined for V_e as follows:

$V_e \geq 150$ knots:

$$1/m = 0.1460;$$

and

$V_e < 150$ knots:

$$1/m = 0.1160 + (9 \times 10^{-7})h + 0.016(0.01V_e - 1)(4 - 0.0001h).$$

These equations for lift-curve slope m are curve-fits of the aerodynamic data presented in Figures 132 and 2.3.16 in Reference 5.

SECTION III

DATA SUMMARY

A. General

To derive from flight loads data a single graphic or tabular representation of the load spectrum encountered by operational aircraft requires consideration of four variables: (1) types of missions flown, (2) air bases used by the aircraft, (3) percentages of the recorded flight time associated with the respective air bases and mission types, and (4) percentages of total operational flight time related to the respective air bases and mission types.

The fact that both air bases and mission types affect the load spectra encountered by the aircraft is clearly demonstrated by the exceedance curves in Figures 33 through 35. Each figure presents two curves, one for the C-130B data from Sewart Air Force Base and the other for the C-130B data from Evreux Air Base. The pairs of exceedance curves represent, respectively, the data acquired in Missions I, II, and III. While each curve in a pair has a corresponding delineation shift from one figure to another to evidence the load spectrum change caused by varying mission type, the marked difference in positioning between each pair manifests the load spectrum change caused by varying air base.

Since the load spectrum is affected by both air base and mission type, the portrayal of an over-all load spectrum must take into account the percentages of recorded flight time associated with the data from the various air bases and

mission types. Finally, these percentages must be adjusted for the corresponding percentages of total wing time to effect a realistic representation. Based on information acquired from January to October of 1963, Table 2 shows percentage breakdowns for each of the four aircraft models. Two sets of percentages are given: one for the recorded data, as indicated by the columns headed "Unweighted Data"; and the other for the wing time, as indicated by the columns headed "Wing Time." First the percentages for each of the sets for each aircraft model are broken down by mission type and then by air base. Although the two sets of figures compare fairly well, it is obvious that the data associated with the percentages for recorded time would have to be adjusted to prevent representations of biased data.

Table 2

Percentages of Total Flight Time by Mission Type
and Base for Each Aircraft Type

Aircraft Model	Air Base	Mission I		Mission II		Mission III		Mission IV		All Missions	
		Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)	Unweighted Data (%)	Wing Time (%)
C-130A	Dvess	2.8	3.4	9.7	6.0	3.0	3.5				
C-130A	Evreux	2.4	3.0	17.5	20.7	8.8	3.3				
C-130A	Naha	3.0	5.1	29.3	34.0	15.3	9.1				
C-130A	Sewart	0.4	6.9	1.9	1.8	0.9	2.0				
C-130A	All Bases	13.6	19.0	58.4	63.1	28.0	17.9			100	100
C-130B	Evreux	7.5	0.1	50.6	35.7	9.2	5.0				
C-130B	Sewart	9.7	17.2	16.1	20.8	6.9	14.0				
C-130B	All Bases	17.2	23.3	66.7	56.5	16.1	20.2			100	100
JC-130	Hickam	08.6	62.2	6.1	17.0	25.3	20.8			100	100
HC-130G	Barbers Point	1.9	0.8	13.6	56.2	50.0	22.0	27.0	20.4	100	100

Therefore, to produce a realistic exceedance curve for the C-130B, for example, would require weighting of the data by air base and mission type according to the associated percentage of recorded time adjusted for the corresponding percentage of wing time. Consequently, weighting factors were derived and employed as follows in the preparation of the composite distributions for each of the aircraft models. Each weighting factor was obtained by acquiring the ratio of the percentage of wing time related to an air base and a mission type to the percentage to recorded time associated with the same air base and mission type. Then the figures within each data block—the figures associated with ranges of certain variables—were multiplied by the weighting factor for the given air base and mission. Products for each data block were summed first by the air bases within a mission type and then by mission type to yield the total to appear in the data block in the composite representation. The frequencies of the load factor peaks appearing in the weighted composite tables contain decimals because of the fractional make-up of the weighting factors. The decimals were retained for a more accurate presentation.

As indicated by the type and arrangement of the printed material, most of the tables presented in this report are reproductions of the computer print-out.

All time values were carried to several decimal places during the computational process, but were rounded off to the nearest tenth of a minute for the print-out. Consequently, in some tables the sum of the time values listed for the individual airspeed ranges differ by a few tenths of a minute from the total time listed for the combined ranges. Since the totals were computed before rounding off, they are more accurate than the sums of the corresponding ranges.

As discussed above, the locations of the various air bases affected the load spectra encountered by the aircraft. Consequently, the distribution of gust velocity U_{de} values among the given altitude ranges is presented for each of the six air bases in Tables 3 through 7. Furthermore, some geographic correlation of the air base location effects upon the spectra was observed. As a result, the gust spectra represented by curves indicating the nautical miles to reach or exceed a given gust velocity U_{de} were grouped for three areas: the Pacific to include Hickam Air Force Base, Barbers Point Naval Air Station, and Naha Air Base; the Continental United States to include Dyess and Sewart Air Force Bases; and Europe to include Evreux Air Base. The gust spectrum curves for these areas are shown, respectively, in Figures 2, 3, and 4. For purposes of comparison, the standard gust spectrum is presented in Figure 5. Relatively severe atmospheric turbulence in the 20,000- to 30,000-foot altitude range is apparent in the curves for the Pacific area. The effects of such turbulence are evidenced in the oscillogram sections photographically reproduced in Figure 75. In general, the data indicate that the turbulence level in Europe was slightly less than that in the Continental United States.

Since the reduction of flight loads data involves the setting of threshold levels below which no acceleration peaks are read, some incremental acceleration values, that is Δn 's, which would be significant in the computation of U_{de} values were lost. The threshold levels set for the reduction of the C-130 data were $\pm 0.1g$ from the $1.0g$ line. The results obtained in deriving the gust spectra shown in Figures 2 through 4 indicate that some U_{de} 's between 5 and 8 feet per second were not derived because of the missing Δn 's when the equivalent airspeed was below 150 knots. Consequently, a small bias in proportion to the percentage of flight time spent at equivalent airspeeds below 150 knots was introduced into the data because of the missing Δn 's. Since all U_{de} 's above 5 feet per second were computed for airspeeds above 150 knots, the rest of the data was not affected by the data reduction limitation imposed by the reading thresholds.

B. Specific Data

1. C-130A Data

Figure 6 shows both a graphic and a tabular representation of weighted C-130A data to depict the number of maneuver load factor occurrences within increments of load factor values and ranges of equivalent airspeed. Extracted from Reference 3, the V-n envelope shown in the figure indicates the C-130A

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design load factor limits for values of equivalent airspeed. The solid envelope was based on a design gross weight of 108,000 lb. and the dashed portion of the envelope was prepared for minimum gross weight, both at sea-level conditions. Corresponding to the tabular representation in Figure 6 is the weighted composite for the incremental gust load presented in Table 9.

Shown in the histogram of Figure 7 are the percentages of C-130A flight time spent in selected gross weight ranges. Additional histograms in Figures 8 through 13 show separately the percentages of flight time for selected altitude and airspeed ranges. The histograms for altitude and airspeed are paired in the presentation for each of three missions: Mission I (Airdrop), II (Logistics and Cross Country, and III (Training). Furthermore, Tables 10 through 12 show for each of these missions the flight time distributed among combined ranges of airspeed and altitude. Figures 14 and 15 give the best over-all presentation of flight time expended in ranges of altitude and airspeed. Each of these last two figures show three curves, one for each of the three missions to indicate the percentage of flight time spent below a given altitude (Figure 14) and a given equivalent airspeed (Figure 15). The curves in these figures demonstrate the contrast between the low-altitude and low-airspeed flight profile representative of Mission I (Airdrop) data and the high-altitude and high-airspeed flight profile representative of Mission II (Logistics and Cross Country) data.

Two sets of exceedance curves--the curves of one set to indicate the time to reach or exceed a given load factor level and those of the second to indicate the time to reach or exceed a given incremental load factor (gust)--are presented in Figures 16 through 18 and Figures 19 through 21, respectively.

Each set contains a figure for each of the three missions, and each figure bears a curve for each of the four air bases. The various delineations of the curves in each figure evidence the different load spectra encountered during the performance of the same type of mission. The spectra differences may be attributed to such factors as cruise distances to the airdrop zones, geographical conditions of the air bases, and lengths of the flights. Weighted composites for C-130A gust and maneuver load factor data are presented in Figure 22. Comparison of the gust spectrum with the maneuver spectrum in this figure shows the former to be more severe up to a 1.6 load factor.

Distributions of the number of maneuver and incremental gust load factor occurrences within load factor increments and equivalent airspeed ranges are given for each mission type and air base in Tables 13 through 36. The same data distributed for each mission type and selected ranges of gross weight and altitude are presented in Tables 37 through 74. The data in the first set of tables were used in developing the weighted composites.

2. C-130B Data

Corresponding to the types of graphic and tabular representations presented in Figures 6 through 22 and Tables 9 through 74 for the C-130A data are illustrations shown in Figures 23 through 39 and Tables 75 through 126 for the C-130B data.

Like the V-n envelope shown in Figure 6 for the C-130A, the one in Figure 23 for the C-130B has a solid curve to indicate the load factor-airspeed limits for the 108,000-lb. design gross weight and a dashed curve to indicate the limits for minimum gross weight, both at sea-level conditions. The configurations for the latter curves were taken from Reference 4.

Whereas the mission profiles for the C-130A and C-130B aircraft appear quite similar, the comparison of the distributions of flight by altitude and airspeed for the two models reveals that the C-130B aircraft performed at moderately higher altitudes and airspeeds.

Comparing in Figures 33 through 38 the exceedance curves for the C-130B aircraft at Sewart Air Force Base with the curves for the C-130B aircraft at Evreux Air Base reveals that the aircraft at Sewart encountered more severe load spectra. Reason for this contrast is evidenced by the fact that the flights from Sewart Air Force Base had both a much smaller average duration and a much larger percentage of time in the lower altitude ranges than the flights from Evreux Air Base.

Like the observed results in the study of the C-130A load spectra, comparison in Figures 39 of the weighted composite exceedance curve for the gust load factors with the curve for the maneuver load factors for the C-130B shows the gust spectrum to be more severe up to a 1.6 load factor.

3. JC-130 Data

Figures 40 through 53 and Tables 127 through 168 for the JC-130 data correspond to the types of graphic and tabular illustrations presented in Figures 6 through 22 and Tables 9 through 74 for the C-130A data.

The same curves describing the V-n envelope in Figure 23 for the C-130B data were used to form the pattern in Figure 40 for the design limits of the combinations of load factor and airspeed values for the JC-130 data.

The histograms in Figures 42 through 47 show the percentages of JC-130 flight time spent in selected altitude and airspeed ranges for each of Missions I, II, and III. When the Mission I profiles in these histograms are compared with those for the other aircraft models, it becomes apparent that the JC-130 aircraft had considerably higher percentages of time in the 5,000- to 10,000-foot altitude range and in the below 150-knot equivalent airspeed range.

The exceedance curves presented in Figures 50 through 53 reveal a high degree of similarity between the gust and maneuver load factor spectra encountered by the JC-130 aircraft in the performance of each of the three missions.

In general, the over-all load factor spectrum for the JC-130 aircraft is appreciably less severe than that for either the C-130A or the C-130B aircraft.

4. HC-130G Data

Not only do the Figures 54 through 70 and Tables 169 through 213 for the HC-130G data correspond to the types of graphic and tabular representations presented in Figures 6 through 22 and Tables 9 through 74 for the C-130A data, but also they contain Mission IV (Search and Rescue) data illustrations.

The V-n envelope used in Figure 23 for the C-130B data and in Figure 40 for the JC-130 data served a third time in Figure 54 to describe the design limits of the combinations of load factor and airspeed values for the HC-130G data.

Mission IV, the category for the HC-130G flights performed in U. S. Coast Guard search and rescue operations, yielded data whose percentages of time in selected altitude and airspeed ranges correlated closely with the comparable percentages for Mission III (Training). This correlation, evidenced by the study of the data in Figures 60 through 65, indicates that the profile for Mission IV is similar to that for Mission III.

Like the JC-130 exceedance curves presented in Figures 50 through 53, those for the HC-130G data shown in Figures 66 through 70 indicate a high degree of similarity between the gust and maneuver load factor spectra encountered by the HC-130G aircraft in the performance of each of the four missions.

Comparison of the weighted composite exceedance curves in Figure 22 for the C-130A, Figure 39 for the C-130B, Figure 53 for the JC-130, and Figure 70 for the HC-130G reveals that the over-all load factor spectrum for the HC-130G aircraft was the least severe of the spectra encountered by the four models.

5. Swift Strike III Exercise Data

Depicting the 96.2 hours of data recorded on the C-130B aircraft engaged in Swift Strike III Exercise is Figure 71 which presents maneuver load factor exceedance curves for Mission I, II, and III. In addition to these three, plotted as solid curves, there also appears for purposes of comparison a fourth curve, the weighted composite maneuver load factor exceedance curve for all C-130B data, which was taken from Figure 39 and was plotted as a dashed curve. That the load factor spectrum indicated by the Mission III, Swift Strike III Exercise

curve has the greatest apparent severity is attributed to the large number of assault flights which were conducted during this exercise. As defined above in II, B, 2, Mission III, designated "Training," includes data from touch-and-go and assault landings as well as from training flights.

Other summaries for the Swift Strike III Exercise data include Tables 214 through 216 which give distributions of flight time in combined altitude and airspeed ranges for each of the three missions and Tables 217 through 219 which present distributions of maneuver load factors by load factor increments and equivalent airspeed ranges for each of the three missions.

Since the flights in the Swift Strike III Exercise are considered a part of normal operation, the 96.2 hours of data were incorporated into the data discussed above in the treatment of the C-130B data.

6. Restricted Operation Data

Representative of the C-130B, JC-130, and HC-130G aircraft subjected to restricted operation are the maneuver load factor exceedance curves in Figures 72 through 74 which depict the load factor spectra for the missions of the respective aircraft. In order that the effects of restricted operation may be evaluated, each figure also contains in dashed form the weighted composite curves corresponding to normal operation.

Tables 220 through 226 present the distributions of time in combined altitude and airspeed ranges and Tables 227 through 233 give the distributions of maneuver load factors by load factor increments and equivalent airspeed ranges for the Restricted Operation data.

Since the flights of aircraft subjected to restricted operations are not considered characteristic of normal operation, the data recorded from these flights were not incorporated with the other data.

SECTION IV

CONCLUSIONS

- A. None of the four models instrumented during the C-130 flight loads program yielded any data which exceeded the design limit load factors, the minimum and maximum observed values being -0.27 and 2.68, respectively.
- B. The amount of data acquired was sufficient to confirm the following gust spectra observations: (1) the effects of the different air base locations are appreciable enough to cause variations in the gust load spectra encountered by aircraft of the same model flying the same type of mission; and (2) in the lower load factor range (up to 1.6) of the C-130A and C-130B data, the gust spectrum proved to be more severe than the maneuver spectrum.
- C. As expected, the Swift Strike III Exercise and the restricted operation flights yielded data whose load factor spectra were, respectively, more and less severe than the composite spectra for normal operational flights.

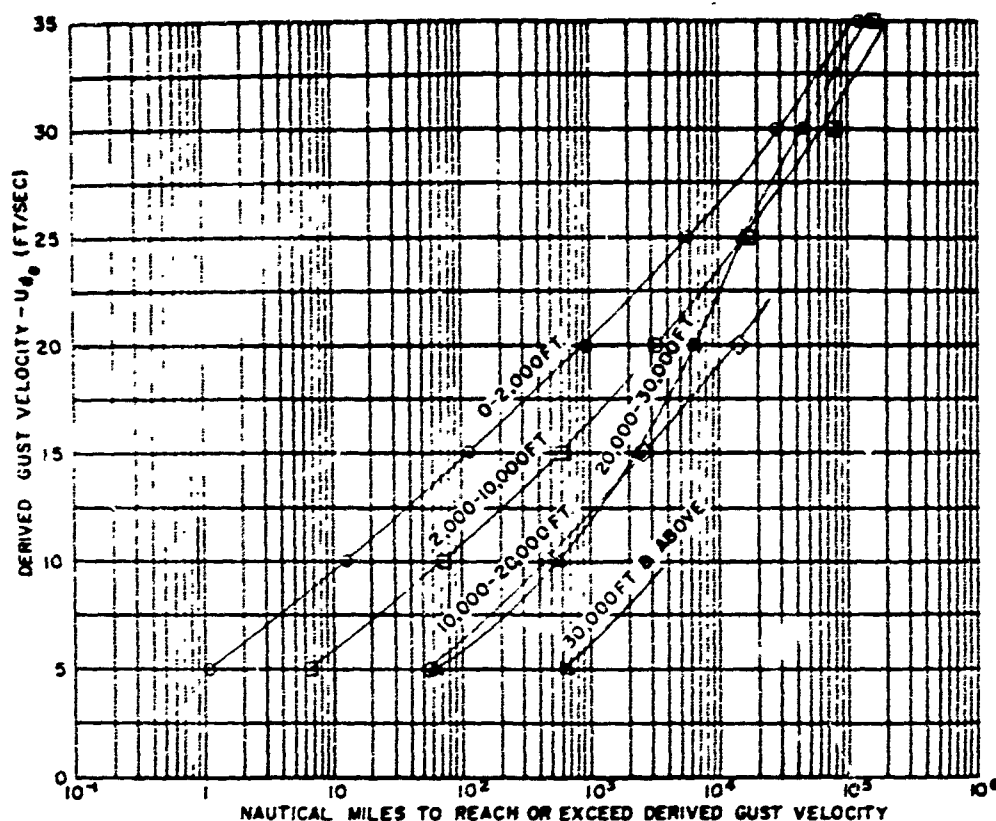


Figure 2. Gust Spectrum Based on Data from C-130 Aircraft in the Pacific: the C-130A at Naha Air Base, the HC-130G at Barbers Point Naval Air Station, and the JC-130 at Hickam Air Force Base

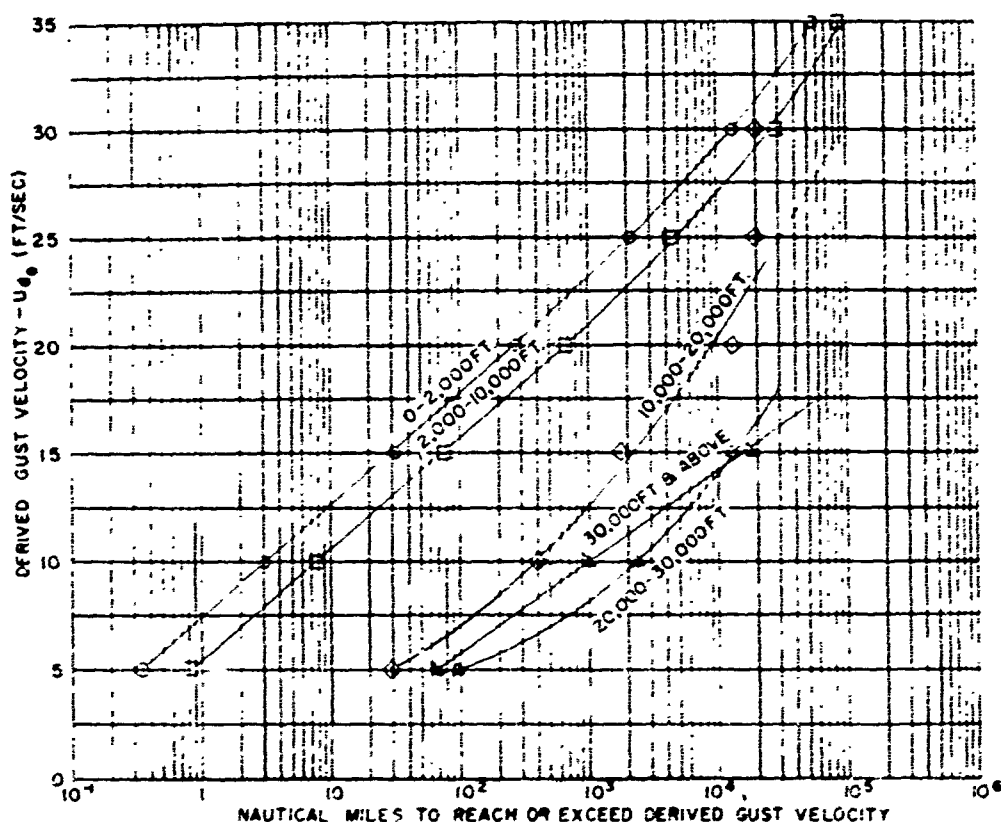


Figure 3. Gust Spectrum Based on Data from C-130 Aircraft in the Continental United States: the C-130A at Dyess Air Force Base and the C-130A and C-130B at Sewart Air Force Base

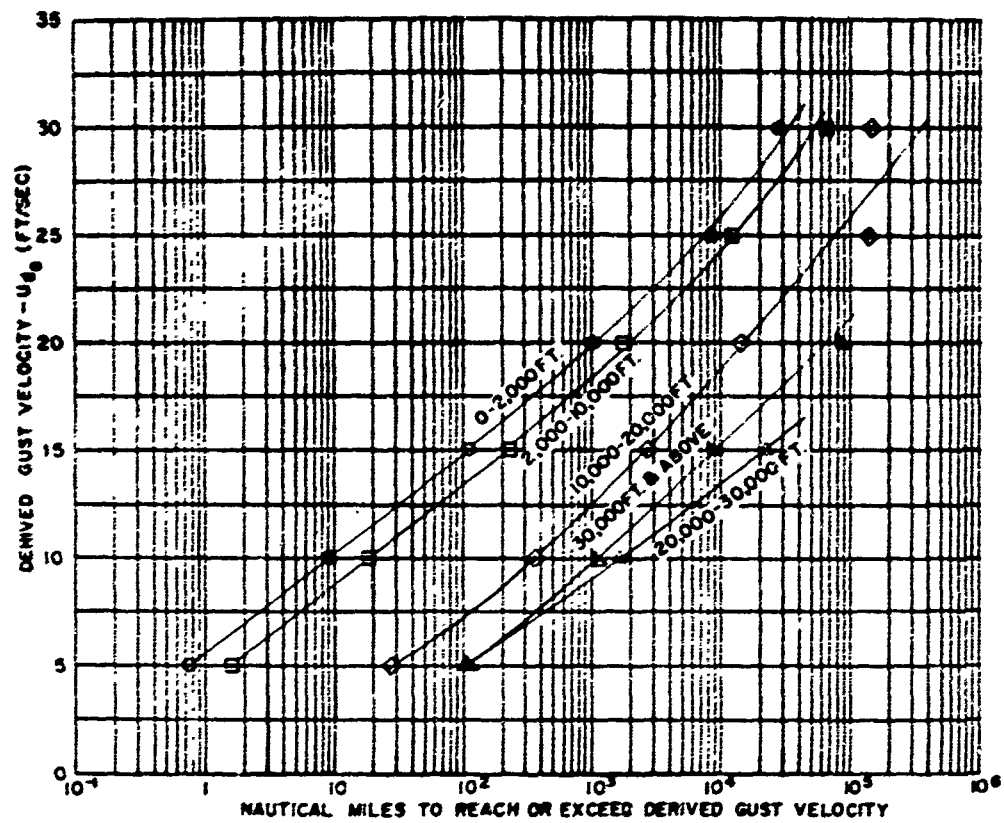


Figure 4. Gust Spectrum Based on Data from C-130 Aircraft in Europe: the C-130A and C-130B at Evreux Air Base

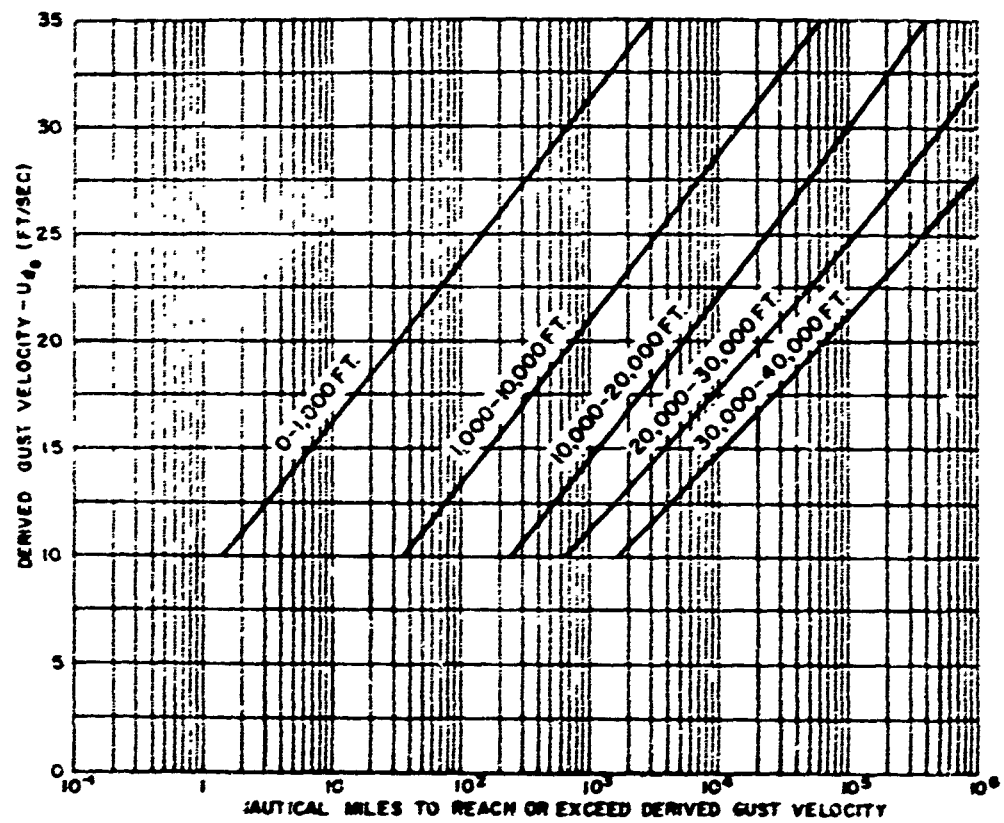


Figure 5. Standard Gust Spectrum (Reference 2)

Table 3

Distribution of Derived Gust Velocity by Altitude —
Barbers Point Naval Air Station

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY— U_{d_0} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000				4	54	564	7,017	8,401	1,027	118	10	5		1	19,122.7
2,000-5,000				1	5	73	1,048	1,334	134	9	4				7,414.7
5,000-10,000				2	13	58	509	576	58	12		1			8,979.4
10,000-15,000				2	2	18	112	134	14	3					5,429.2
15,000-20,000						3	46	64	4	1					8,733.8
20,000-25,000			1	2	1	12	102	126	29	7	1				11,913.7
25,000-30,000			1	4	4	7	16	19	8	1	3	2	1		5,509.4
30,000 & ABOVE								4							422.4
TOTALS	0	0	2	15	79	735	8,850	10,658	1,274	151	18	8	1	1	67,525.2

Table 4

Distribution of Derived Gust Velocity by Altitude —
Hickam Air Force Base

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY— U_{d_0} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000		1	2	20	138	1,200	13,711	17,522	2,200	322	49	7	2		26,862.5
2,000-5,000				9	32	294	3,275	3,696	399	42	8				17,211.6
5,000-10,000			3	5	18	112	892	1,116	139	32	5	2	1	1	91,981.0
10,000-15,000					7	31	279	328	35	5	1				38,893.1
15,000-20,000					1	6	70	83	5	2					27,349.7
20,000-25,000			1		3	36	495	632	51	8			1		39,674.0
25,000-30,000	1			2	4	40	215	159	42	9	3	1			24,076.4
30,000 & ABOVE															1,778.2
TOTALS	1	1	6	36	203	1,719	18,939	23,536	2,871	420	66	10	4	1	247,826.6

Table 5

Distribution of Derived Gust Velocity by Altitude —
Naha Air Base

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY— U_{d_0} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000				7	99	1,430	22,318	25,038	1,768	148	12	2			68,023.0
2,000-5,000			1	2	10	242	1,525	4,060	331	22	3				17,366.9
5,000-10,000				3	4	49	430	477	51	12					14,515.5
10,000-15,000				2	1	18	133	163	24	6	1				14,914.9
15,000-20,000				1	6	24	238	271	34	6	2				30,793.9
20,000-25,000	1	2	3	5	20	56	932	999	76	15	6	3			159,120.7
25,000-30,000						7	165	150		1					35,898.6
30,000 & ABOVE															1,415.2
TOTALS	1	2	4	20	140	1,826	27,839	31,169	2,292	210	24	5			342,039.7

Table 6

**Distribution of Derived Gust Velocity by Altitude —
Dyess Air Force Base**

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY— U_{d_0} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000			2	12	122	1,186	9,082	9,747	1,188	101	10				9,799.7
2,000-5,000			4	12	142	1,314	12,575	13,249	1,423	148	15	4	1	1	17,754.5
5,000-10,000				6	24	201	1,750	1,644	152	11	1				6,298.8
10,000-15,000						5	175	89	4						4,350.6
15,000-20,000						5	187	158	3	1					10,136.4
20,000-25,000						5	169	192	10						18,002.1
25,000-30,000					1	2	100	77	1						32,247.0
30,000 & ABOVE						2	48	30							6,290.3
TOTALS	0	0	6	30	289	2,720	24,086	25,186	2,781	261	26	4	1	1	104,879.2

Table 7

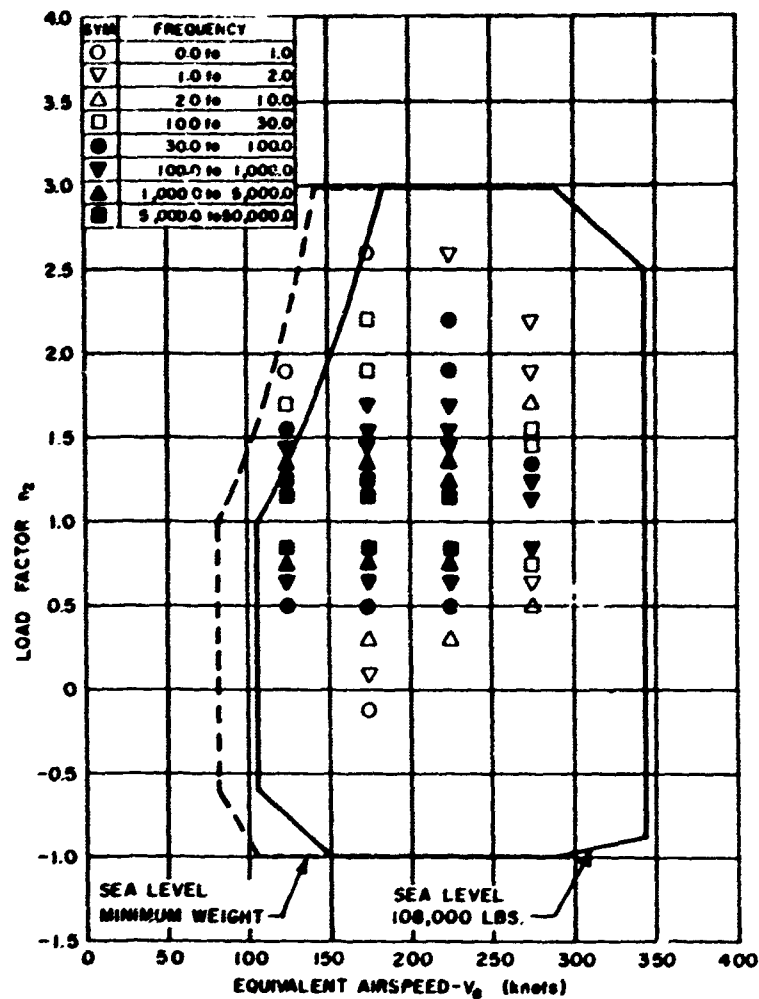
**Distribution of Derived Gust Velocity by Altitude —
Sewart Air Force Base**

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY— U_{d_0} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000		1	10	123	1,166	12,713	121,057	134,825	16,392	1,724	184	32	5	2	96,783.8
2,000-5,000		1	4	38	311	3,375	31,166	32,750	3,445	320	33	6			51,053.0
5,000-10,000				1	11	73	1,084	1,133	87	6	1				11,684.6
10,000-15,000		1		1	11	28	216	178	15	8			1		10,476.8
15,000-20,000						7	134	101	10						14,997.0
20,000-25,000					2	5	209	209	3	2					30,835.2
25,000-30,000					4	18	259	260	6	3					62,965.7
30,000 & ABOVE						10	94	83	5	1					11,483.4
TOTALS	0	3	14	163	1,505	16,229	154,219	169,539	19,963	2,064	218	38	6	2	290,279.4

Table 8

**Distribution of Derived Gust Velocity by Altitude —
Evreux Air Base**

PRESSURE ALTITUDE (FEET)	DERIVED GUST VELOCITY— U_{d_0} (FT/SEC)														DISTANCE FLOWN (NAUTICAL MILES)
	-40 TO -35	-35 TO -30	-30 TO -25	-25 TO -20	-20 TO -15	-15 TO -10	-10 TO -5	5 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	
0-2,000		1	1	13	175	2,486	32,299	35,602	3,370	295	34	4	1		57,538.2
2,000-5,000		2	2	18	172	2,555	30,662	32,346	2,927	249	31	5			77,352.8
5,000-10,000				10	42	410	5,338	5,761	479	60	8	2			53,220.6
10,000-15,000				3	15	116	1,286	1,495	123	16	4		1		60,883.7
15,000-20,000				1	5	50	893	931	63	6	1				83,181.3
20,000-25,000					2	55	813	928	41	6					167,029.4
25,000-30,000					7	57	802	925	53	3					213,618.0
30,000 & ABOVE					4	25	285	387	38	5	1				80,373.4
TOTALS	0	3	3	45	422	5,754	72,378	78,375	7,094	640	79	11	2		793,197.3



Flight Time: 2774.2 hr.

No. of Flights: 1137

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. n_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
2.88 ABOVE							
2.4 TO 2.8		0.04	1.13				1.17
2.0 TO 2.4		21.21	30.21	1.3			52.72
1.6 TO 2.0	0.60	29.11	60.51	1.13			91.35
1.5 TO 1.6	21.17	150.64	130.64	1.49			283.94
1.5 TO 1.5	55.09	240.70	104.02	13.79			413.60
1.4 TO 1.5	275.33	329.11	400.47	23.50			1,028.41
1.3 TO 1.4	1,332.04	2,337.00	1,394.57	80.30			5,073.91
1.2 TO 1.3	2,930.14	2,111.16	1,402.32	122.05			6,565.67
1.1 TO 1.2	15,533.00	11,130.64	10,507.03	175.45			27,346.12
0.8 TO 0.9	14,027.37	17,024.65	10,037.50	157.72			31,247.24
0.7 TO 0.8	2,100.77	2,547.91	1,703.50	23.10			6,375.28
0.6 TO 0.7	102.52	324.31	374.63	1.10			792.56
0.4 TO 0.6	37.55	47.93	73.52	2.40			161.40
0.2 TO 0.4		5.70	2.03				7.73
0.0 TO 0.2		1.40					1.40
BELOW 0.0		2.37					2.37

Figure 6. C-130A — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases

Table 9

C-130A — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4		1.16	2.65				3.81
0.8 TO 1.0		6.51	11.23	0.37			18.16
0.6 TO 0.8	6.95	43.11	251.97	6.50			308.53
0.5 TO 0.6	28.85	131.50	994.19	22.55			1,177.10
0.4 TO 0.5	192.14	501.85	3,004.03	70.60			3,768.62
0.3 TO 0.4	1,010.04	2,622.18	11,272.74	215.90			15,120.86
0.2 TO 0.3	7,006.25	13,119.59	36,029.51	576.27			56,731.62
0.1 TO 0.2	38,971.06	56,399.54	178,312.15	1,532.63			205,225.32
-0.2 TO -0.1	35,725.63	52,266.70	104,923.31	1,492.03			194,413.67
-0.3 TO -0.2	6,496.49	11,748.65	35,663.65	535.48			54,454.27
-0.4 TO -0.3	1,081.36	2,414.96	10,865.58	175.89			14,537.79
-0.6 TO -0.4	139.48	549.31	4,548.39	77.33			5,414.51
-0.8 TO -0.6	5.25	42.83	583.31	7.46			638.85
-1.0 TO -0.8	0.37	2.34	66.57				69.28
BELOW -1.0			0.67				0.67

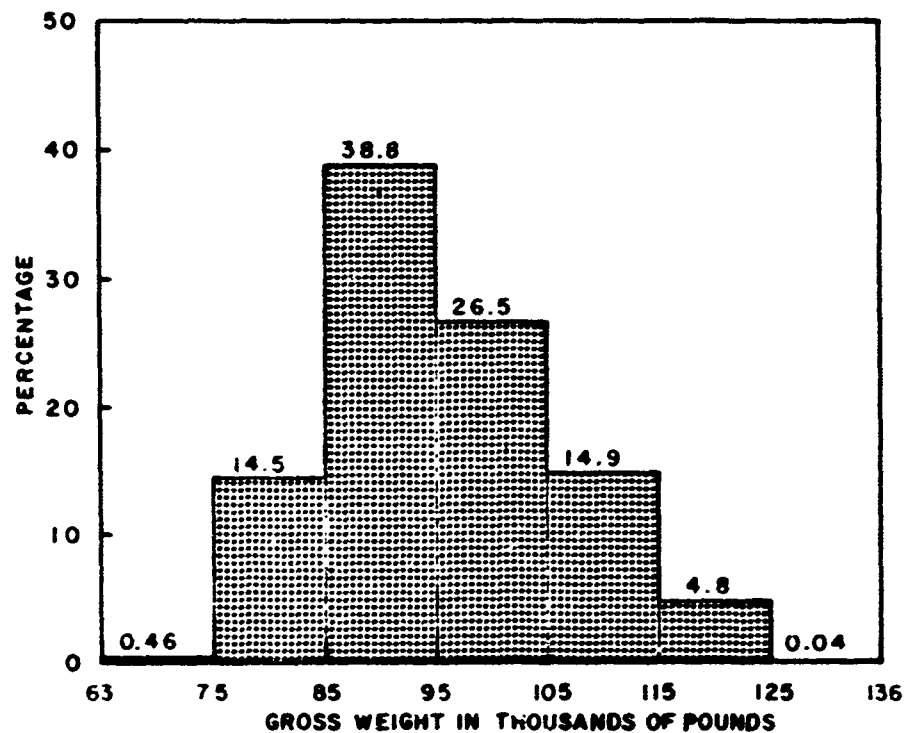


Figure 7. C-130A — Percentages of Total Flight Time Spent in Selected Gross Weight Ranges — Composite of All Missions

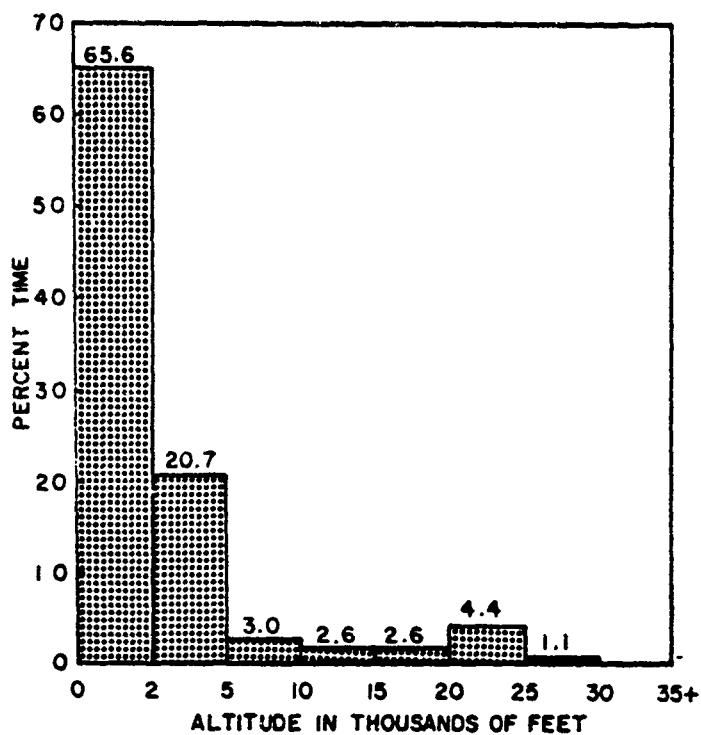


Figure 8

C-130A — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

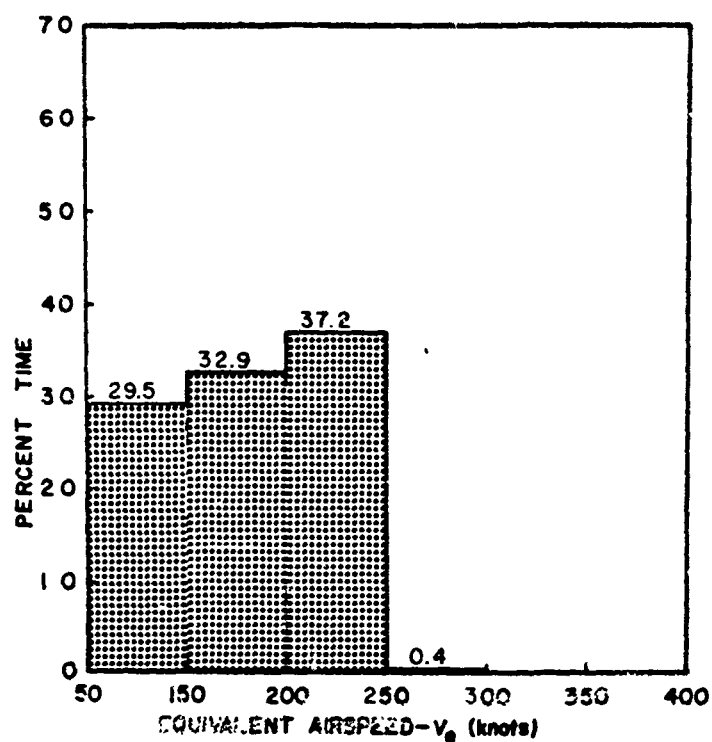


Figure 9

C-130A — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 10

C-130A — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED -V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	5,661.2	3,882.9	5,220.9	60.5			14,825.5
2,000- 5,000	933.7	1,478.1	2,257.3	14.1			4,683.2
5,000- 10,000	12.6	373.4	293.5	1.2			681.7
10,000- 15,000	6.9	357.5	217.5	3.2			585.0
15,000- 20,000	15.6	516.3	48.5	2.0			582.4
20,000- 25,000	28.4	733.8	243.4				1,005.6
25,000- 30,000	17.6	107.7	126.2				251.5
30,000 & ABOVE							
TOTAL TIME (MIN)	6,676.0	7,449.7	8,408.2	81.0			22,614.9

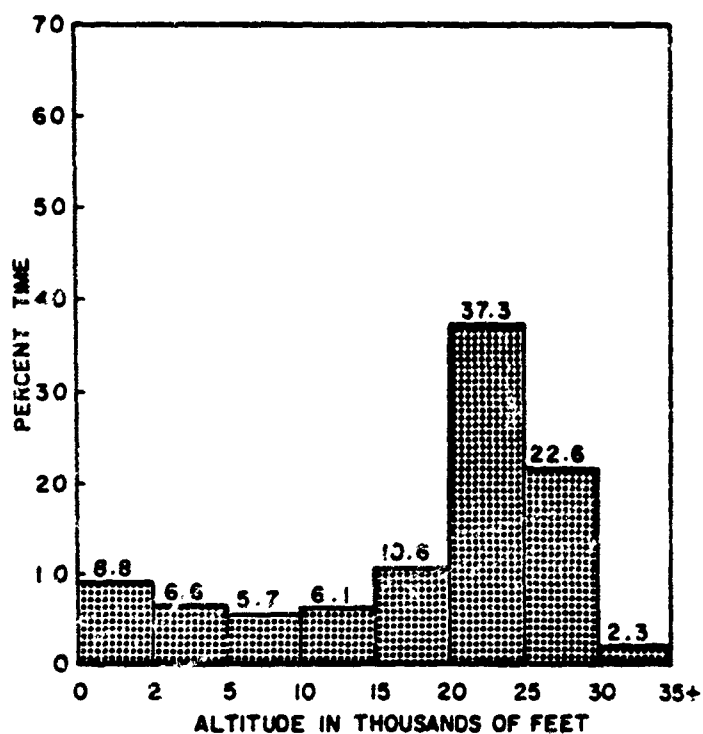


Figure 10

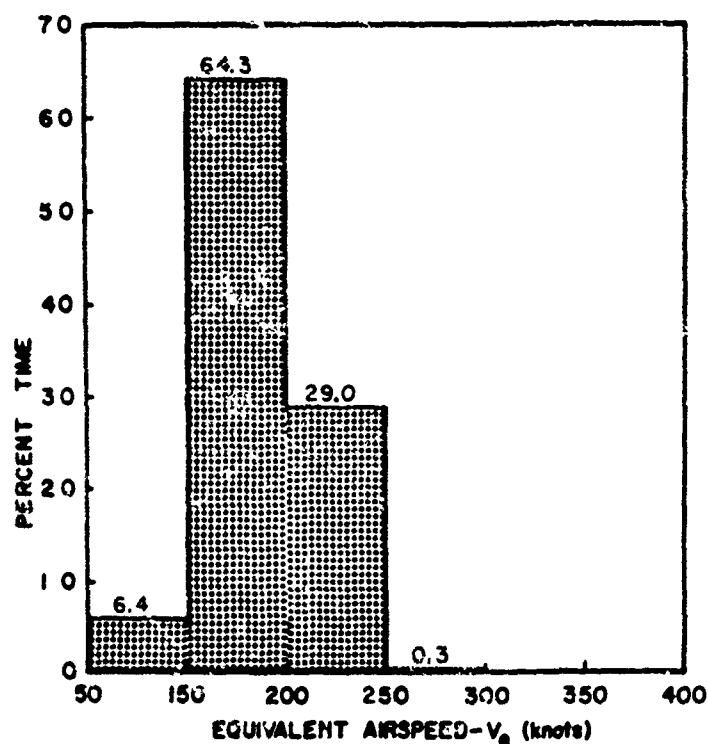


Figure 11

C-130A — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

C-130A — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 11

C-130A — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED -V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0-2,000	3,753.2	3,115.0	1,680.3	20.2			8,568.6
2,000-5,000	1,164.7	3,270.5	1,910.4	38.9			6,384.5
5,000-10,000	96.1	2,895.3	2,408.9	122.6			5,523.0
10,000-15,000	68.7	3,119.6	2,670.9	62.4			5,921.6
15,000-20,000	220.8	4,918.2	5,117.9	22.3			10,279.2
20,000-25,000	560.2	24,189.8	11,505.7	5.5			36,261.3
25,000-30,000	291.4	18,978.5	2,701.0				21,971.0
30,000 & ABOVE	109.4	1,976.6	184.8				2,270.7
TOTAL TIME (MIN.)	6,264.7	62,463.5	28,179.9	271.9			97,180.0

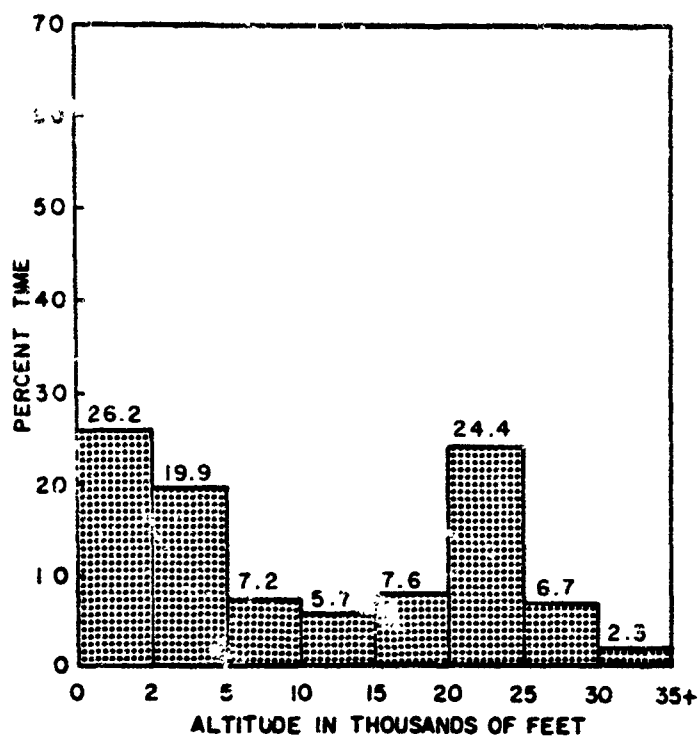


Figure 12

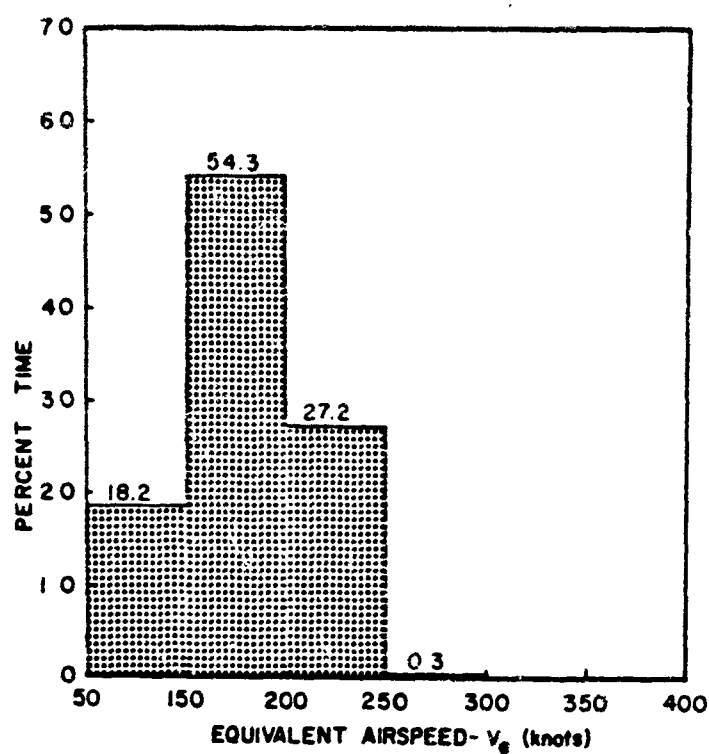


Figure 13

C-130A — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

C-130A — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 12

C-130A — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	4,995.5	3,992.8	3,220.6	20.1			12,229.1
2,000- 5,000	2,409.2	4,096.4	2,731.8	64.5			9,302.1
5,000- 10,000	252.4	1,778.2	1,288.8	21.2			3,340.7
10,000- 15,000	71.4	1,347.7	1,194.5	21.5			2,635.2
15,000-20,000	217.6	2,182.9	1,139.2	5.0			3,544.7
20,000-25,000	139.9	8,374.9	2,851.2	0.4			11,366.4
25,000-30,000	61.7	2,875.4	208.9				3,146.1
30,000 & ABOVE	346.0	682.9	64.0				1,092.9
TOTAL TIME (MIN.)	8,493.8	25,331.4	12,699.2	132.8			46,657.1

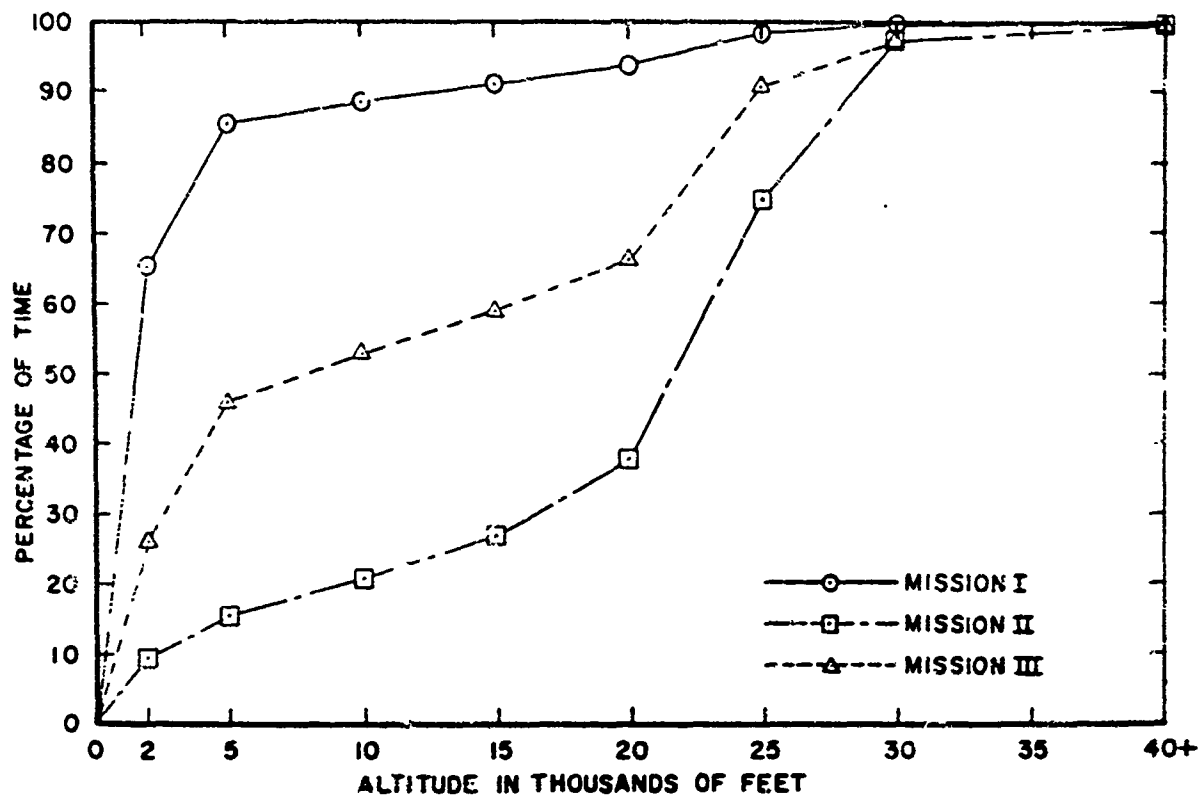


Figure 14. C-130A — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

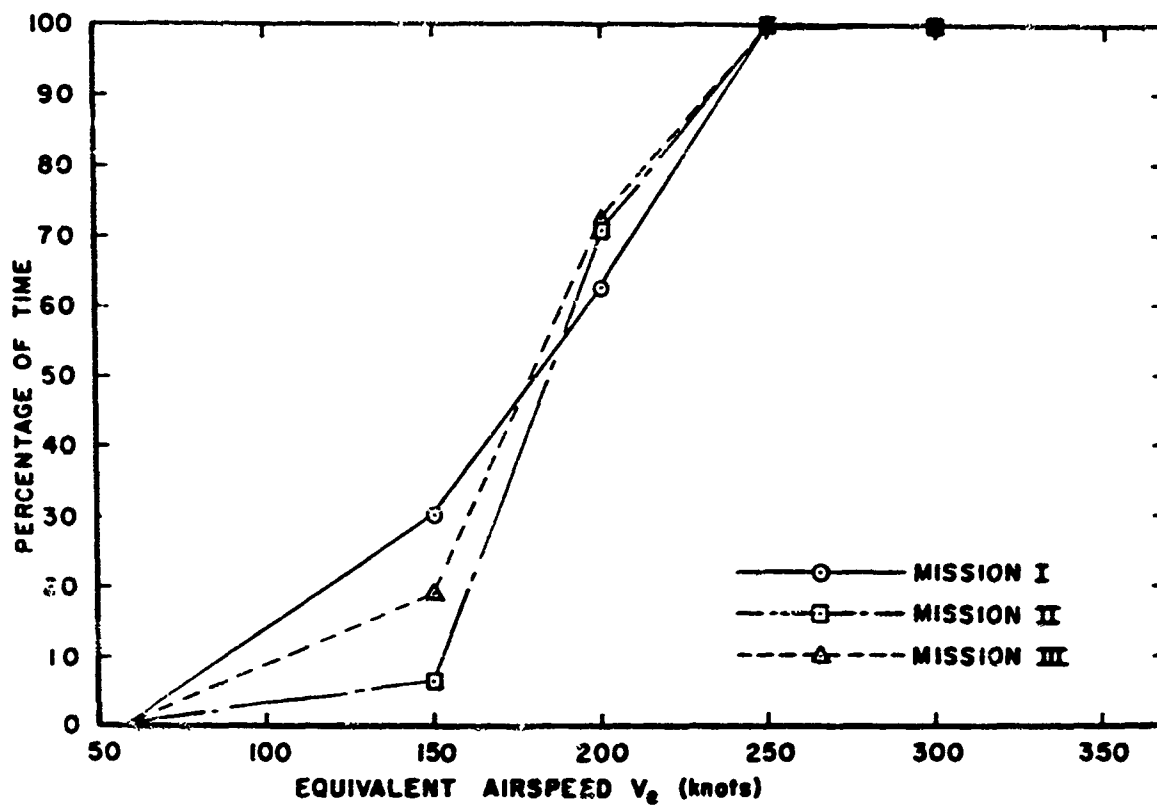


Figure 15. C-130A — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

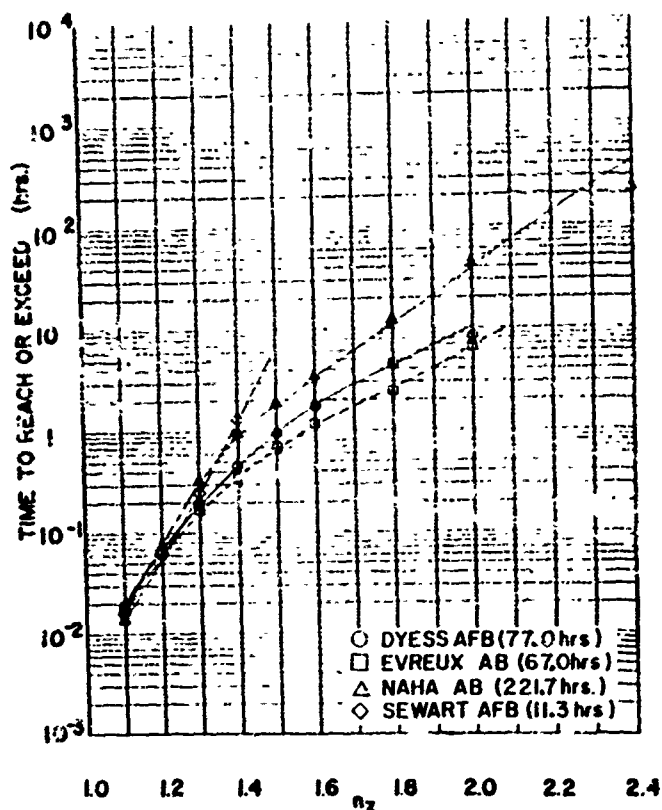


Figure 16. C-130A — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)

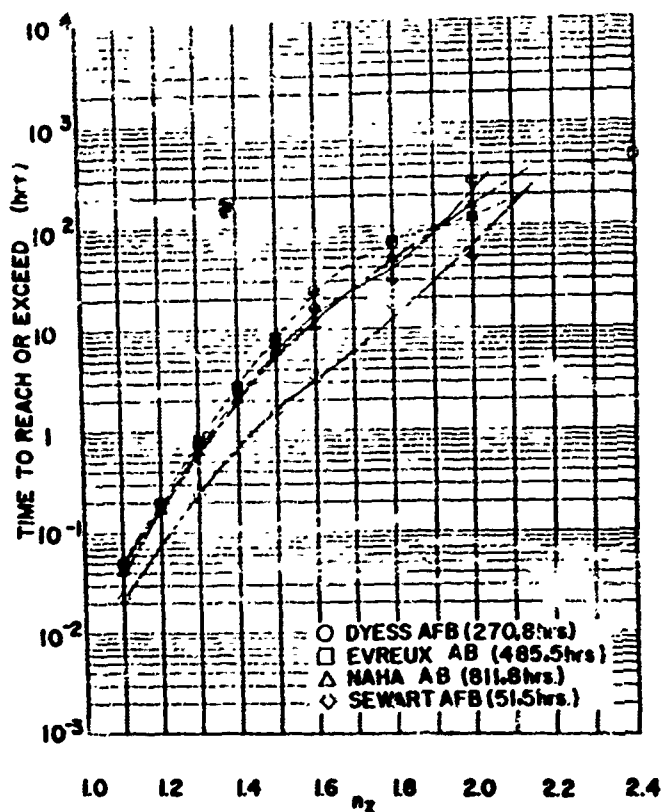


Figure 17

C-130A — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

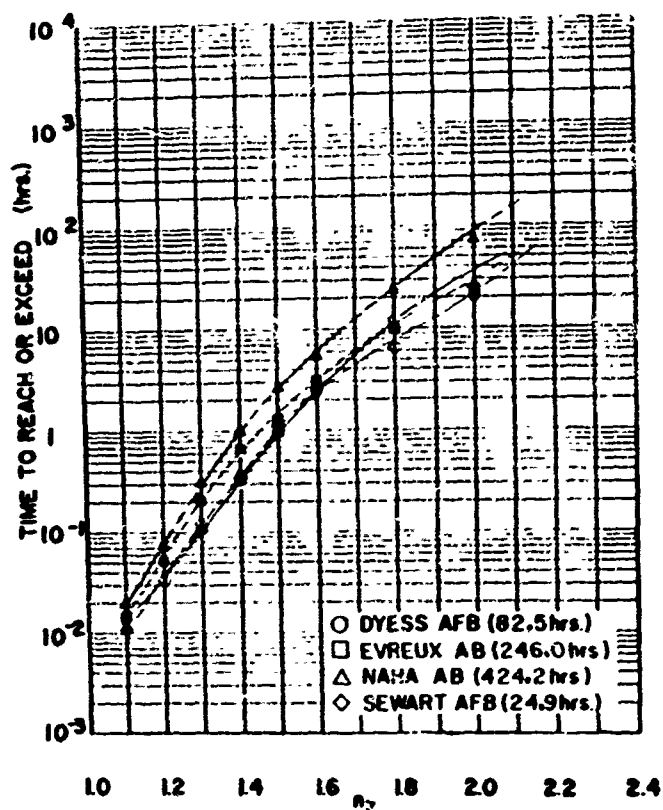


Figure 18. C-130A — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission III (Training)

Figure 19. C-130A — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)

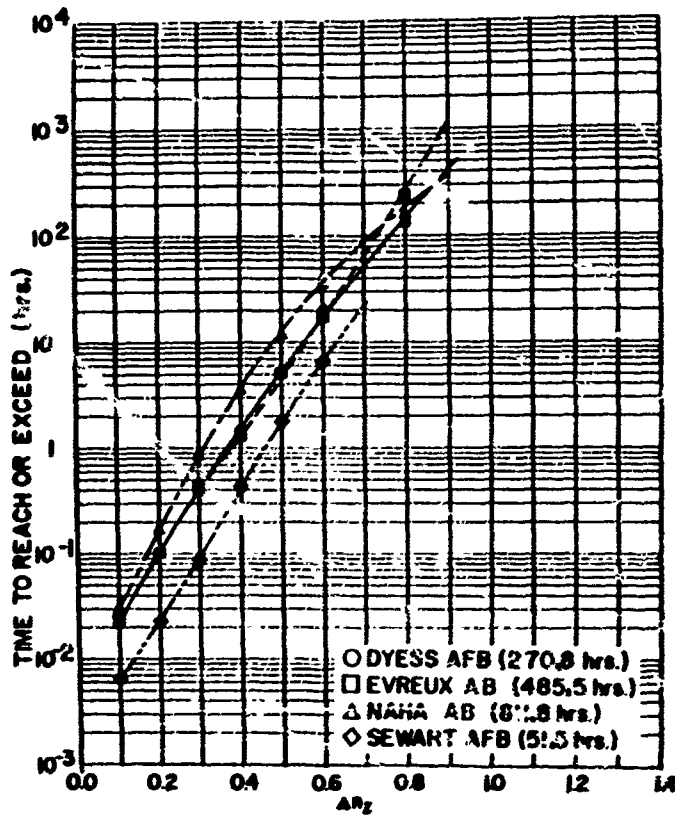
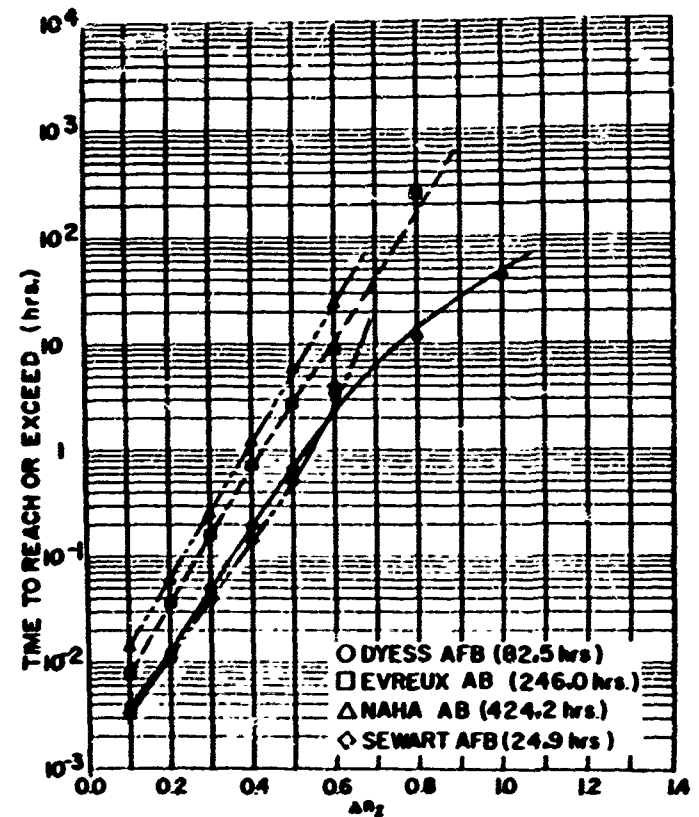
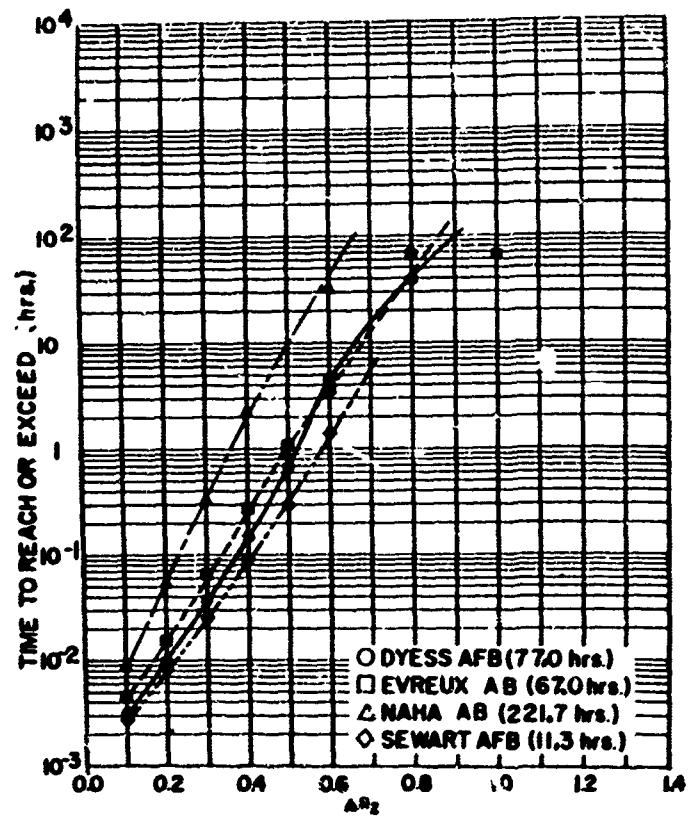


Figure 20

C-130A — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

Figure 21. C-130A — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission III (Training)



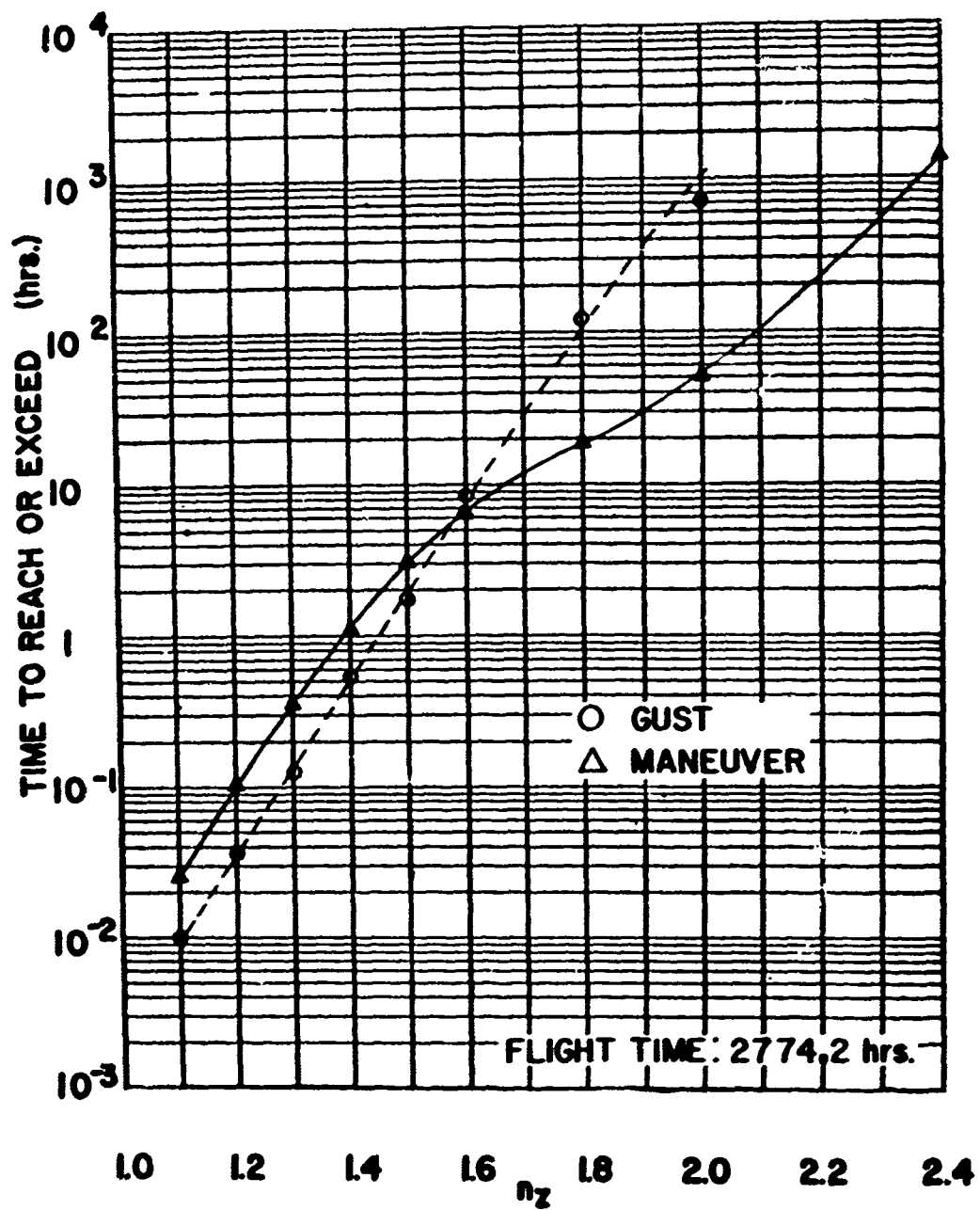


Figure 22. C-130A — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions and Bases

Table 13

**C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Dyess Air Force Base**

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		5	4				9
1.8 TO 2.0		6	2				8
1.6 TO 1.8	7	15	5				27
1.5 TO 1.6	7	20	10				37
1.4 TO 1.5	27	30	33				90
1.3 TO 1.4	68	85	83				236
1.2 TO 1.3	290	278	202				770
1.1 TO 1.2	1238	722	925	1			2886
0.9 TO 0.9	775	383	409	2			1569
0.7 TO 0.8	95	73	76				244
0.6 TO 0.7	4	16	17				37
0.4 TO 0.6	2	2	3				7
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1255.2	1088.9	2221.5	3.9			4619.6

No. of Flights: 49

Table 14

**C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Evreux Air Base**

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4		1	8	1			10
1.8 TO 2.0		2	15				17
1.6 TO 1.8	2	9	16				27
1.5 TO 1.6	12	11	18	2			43
1.4 TO 1.5	14	50	38	1			103
1.3 TO 1.4	48	94	57	4			203
1.2 TO 1.3	196	309	202	2			709
1.1 TO 1.2	956	956	755	2			2669
0.9 TO 0.9	510	602	430	1			1543
0.7 TO 0.8	50	115	61	1			227
0.6 TO 0.7	5	15	12				32
0.4 TO 0.6	2	2	4	1			9
0.2 TO 0.4			1				1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	997.1	1336.7	1662.1	17.1			4013.0

No. of Flights: 28

Table 15

C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Naha Air Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8		1					1
2.0 TO	2.4		1	3				4
1.8 TO	2.0		11	3				14
1.6 TO	1.8	2	32	13				47
1.5 TO	1.6	4	31	16				51
1.4 TO	1.5	21	77	24	1			123
1.3 TO	1.4	125	208	170				453
1.2 TO	1.3	743	864	676	2			2285
1.1 TO	1.2	5034	4211	3183	20			12448
0.8 TO	0.9	2652	2122	1542	13			6329
0.7 TO	0.8	255	221	304	1			781
0.6 TO	0.7	26	30	32				88
0.4 TO	0.6	6	2	4				12
0.2 TO	0.4			1				1
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		4255.1	4905.1	4084.0	58.0			13302.2

No. of Flights: 81

Table 16

C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Sewart Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5	2	6	1				9
1.3 TO	1.4	14	9	15				38
1.2 TO	1.3	47	41	51				139
1.1 TO	1.2	180	111	198				489
0.8 TO	0.9	90	42	110				242
0.7 TO	0.8	16	5	24				45
0.6 TO	0.7		1	8				9
0.4 TO	0.6		1	1				2
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		168.6	119.0	390.6				678.2

No. of Flights: 6

Table 17

**C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Dyess Air Force Base**

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			8				8
1.6 TO 1.8	1	2	4				7
1.5 TO 1.6	3	14	8	1			26
1.4 TO 1.5	11	38	18				67
1.3 TO 1.4	88	132	43	5			268
1.2 TO 1.3	303	531	190	15			1039
1.1 TO 1.2	879	2426	1260	60			4645
0.8 TO 0.9	570	1656	736	16			2978
0.7 TO 0.8	98	176	57	4			335
0.6 TO 0.7	18	33	6				57
0.4 TO 0.6	4	4	1				9
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	960.0	10329.0	4875.9	82.7			16247.6

No. of Flights: 86

Table 18

**C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Evreux Air Base**

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8			1				1
2.0 TO 2.4		2	1				3
1.8 TO 2.0			2	1			3
1.6 TO 1.8	1	5	6	1			13
1.5 TO 1.6	3	11	20	3			37
1.4 TO 1.5	14	27	44	7			122
1.3 TO 1.4	73	218	156	9			456
1.2 TO 1.3	418	883	545	21			1867
1.1 TO 1.2	2239	3108	2358	57			7762
0.8 TO 0.9	1346	1928	1367	25			4666
0.7 TO 0.8	198	309	165	3			675
0.6 TO 0.7	14	41	30				85
0.4 TO 0.6	3	13	10				26
0.2 TO 0.4		1	3				4
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1569.2	16504.6	10946.5	112.3			29132.6

No. of Flights: 238

Table 19

C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Naha Air Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4		2	3				5
1.8 TO	2.0		3	9				12
1.6 TO	1.8	3	30	17				50
1.5 TO	1.6	4	43	21				68
1.4 TO	1.5	49	129	51	2			231
1.3 TO	1.4	228	425	170	8			831
1.2 TO	1.3	1167	1830	539	5			3541
1.1 TO	1.2	4861	7538	2314	20			14733
0.8 TO	0.9	2924	4217	1378	11			8530
0.7 TO	0.8	355	510	162	1			1028
0.6 TO	0.7	24	68	21				113
0.4 TO	0.6	6	12	5				23
0.2 TO	0.4		3					3
0.0 TO	0.2		1					1
BELOW	0.0							
FLT TIME								
(MIN)		3406.1	34172.0	11108.7	21.0			48707.8

No. of Flights: 311

Table 20

C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Sewart Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4			1				1
1.8 TO	2.0		1	1				2
1.6 TO	1.8	1	3	7	1			12
1.5 TO	1.6		5	10	2			17
1.4 TO	1.5	3	8	18	3			32
1.3 TO	1.4	28	46	51	12			137
1.2 TO	1.3	151	292	170	12			525
1.1 TO	1.2	541	466	447	26			1480
0.8 TO	0.9	395	352	338	16			1101
0.7 TO	0.8	69	89	106	3			267
0.6 TO	0.7	7	14	27				48
0.4 TO	0.6		1	7	1			9
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME								
(MIN)		329.4	1457.9	1248.8	55.9			3091.9

No. of Flights: 23

Table 21

**C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission III (Training) — Dyess Air Force Base**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4		4					4
1.8 TO	2.0		2	1				3
1.6 TO	1.8	2	19	4	2			27
1.4 TO	1.6	8	35	6	2			51
1.4 TO	1.5	21	115	31	4			171
1.3 TO	1.4	114	283	99	15			511
1.2 TO	1.3	387	988	269	34			1678
1.1 TO	1.2	925	1994	695	49			3663
0.8 TO	0.9	606	1166	507	31			2310
0.7 TO	0.8	159	231	51	8			449
0.6 TO	0.7	34	47	21	1			103
0.4 TO	0.6	5	12	2				19
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME								
(MIN)		955.0	2264.7	1678.6	30.1			4948.4

No. of Flights: 30

Table 22

**C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission III (Training) — Evreux Air Base**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4		2	8	1			11
1.8 TO	2.0		7	7				14
1.6 TO	1.8	3	26	28				57
1.5 TO	1.6	7	43	43	3			96
1.4 TO	1.5	35	106	61	3			205
1.3 TO	1.4	204	509	144	3			860
1.2 TO	1.3	1216	1906	442	9			3573
1.1 TO	1.2	5182	5013	1367	19			11581
0.8 TO	0.9	3322	2907	654	12			6895
0.7 TO	0.8	397	498	97	2			994
0.6 TO	0.7	30	58	17				105
0.4 TO	0.6		8	4				12
0.2 TO	0.4			3				3
0.0 TO	0.2							
BELOW	0.0		1					1
FLT TIME								
(MIN)		4299.1	7074.5	3345.0	41.0			14759.5

No. of Flights: 113

Table 23

C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission III (Training) — Naha Air Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4		6					6
1.8 TO	2.0	1	4	7				12
1.6 TO	1.8	1	38	21				60
1.5 TO	1.6	3	46	34	2			85
1.4 TO	1.5	51	131	78	3			263
1.3 TO	1.4	209	460	299				968
1.2 TO	1.3	1025	1888	1206	4			4123
1.1 TO	1.2	4588	7758	4058	9			16413
0.8 TO	0.9	2362	4330	2117	12			8821
0.7 TO	0.8	271	492	398	1			1162
0.6 TO	0.7	33	72	64				169
0.4 TO	0.6	8	9	7				24
0.2 TO	0.4		2	1				3
0.0 TO	0.2							
BELOW	0.0							
FLT TIME								
(MIN)		2903.4	15556.0	6945.2	10.0			25454.6

No. of Flights: 161

Table 24

C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission III (Training) — Sewart Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4			1				1
1.8 TO	2.0			3				3
1.6 TO	1.8		4	2				6
1.5 TO	1.6	1	8	4				13
1.4 TO	1.5	10	29	14				53
1.3 TO	1.4	40	58	31	3			132
1.2 TO	1.3	199	163	118	12			492
1.1 TO	1.2	548	416	603	59			1626
0.8 TO	0.9	412	373	361	26			1172
0.7 TO	0.8	119	85	54				258
0.6 TO	0.7	15	15	11				41
0.4 TO	0.6	2	4	5				11
0.2 TO	0.4			1				1
0.0 TO	0.2							
BELOW	0.0							
FLT TIME								
(MIN)		336.4	436.1	670.4	51.7			1494.6

No. of Flights: 11

Table 25

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Dyess Air Force Base**

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			2				2
0.6 TO 0.8		3	13				16
0.5 TO 0.6		6	16	2			94
0.4 TO 0.5	8	40	335				393
0.3 TO 0.4	61	191	1332	8			1592
0.2 TO 0.3	371	901	4351	9			5642
0.1 TO 0.2	2198	3122	11835	19			17224
-0.2 TO -0.1	1797	2908	12119	21			16845
-0.3 TO -0.2	287	775	4416	7			5485
-0.4 TO -0.3	36	163	1409	5			1613
-0.6 TO -0.4	5	50	490	2			547
-0.8 TO -0.6			30				40
-1.0 TO -0.8			2				2
BELOW -1.0							
FLT TIME (MIN)	1255.2	1088.9	2771.5	3.9			4619.6

Table 26

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Evreux Air Base**

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4			1				1
0.8 TO 1.0							
0.6 TO 0.8	1	2	15				18
0.5 TO 0.6		4	40	1			45
0.4 TO 0.5	4	28	153	4			189
0.3 TO 0.4	33	109	684	16			842
0.2 TO 0.3	308	534	2253	47			3142
0.1 TO 0.2	2519	2625	5839	91			11074
-0.2 TO -0.1	2527	2747	5897	86			11257
-0.3 TO -0.2	284	508	2304	60			3156
-0.4 TO -0.3	34	86	671	22			813
-0.6 TO -0.4	5	19	228	6			258
-0.8 TO -0.6			12				12
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	997.1	1336.7	1662.1	19.1			4015.0

Table 27

C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Naha Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1	1	4	1			7
0.5 TO 0.6	2	5	12				19
0.4 TO 0.5	5	27	47	1			80
0.3 TO 0.4	84	190	296	3			573
0.2 TO 0.3	684	1050	1922	7			3663
0.1 TO 0.2	4770	5931	10551	63			21315
-0.2 TO -0.1	4398	5696	10308	76			20478
-0.3 TO -0.2	597	891	1696	11			3195
-0.4 TO -0.3	76	152	319	3			550
-0.6 TO -0.4	9	32	75				116
-0.8 TO -0.6			3				3
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	4255.1	4905.1	4084.0	58.0			13302.2

Table 28

C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	7				8
0.5 TO 0.6	1	1	29				31
0.4 TO 0.5	4	3	74				81
0.3 TO 0.4	18	27	257				302
0.2 TO 0.3	116	149	698				963
0.1 TO 0.2	429	388	1749				2566
-0.2 TO -0.1	344	260	1617				2221
-0.3 TO -0.2	122	144	729				995
-0.4 TO -0.3	29	37	257				323
-0.6 TO -0.4	4	10	138				152
-0.8 TO -0.6		1	26				27
-1.0 TO -0.8			3				3
BELOW -1.0							
FLT TIME (MIN)	168.6	119.0	390.6				678.2

Table 29

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Dyess Air Force Base**

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1	1				2
0.6 TO 0.8		4	8				12
0.5 TO 0.6	2	8	31	1			42
0.4 TO 0.5	10	44	71	1			126
0.3 TO 0.4	31	167	229	9			436
0.2 TO 0.3	361	787	891	29			2068
0.1 TO 0.2	1735	4239	3190	120			9284
-0.2 TO -0.1	1624	4167	3162	109			9062
-0.3 TO -0.2	276	788	791	11			1866
-0.4 TO -0.3	39	148	201	3			391
-0.6 TO -0.4	5	34	85	1			125
-0.8 TO -0.6		5	14				19
-1.0 TO -0.8			3				3
BELOW -1.0			1				1
FLT TIME (MIN)	960.0	10329.0	4875.9	82.7			16247.6

Table 30

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Evreux Air Base**

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1	1				2
0.6 TO 0.8			25				25
0.5 TO 0.6		14	53	4			71
0.4 TO 0.5	6	35	192	24			258
0.3 TO 0.4	51	184	550	50			840
0.2 TO 0.3	354	1049	1899	70			3372
0.1 TO 0.2	2531	5831	6868	157			15387
-0.2 TO -0.1	2358	5207	6664	167			14396
-0.3 TO -0.2	291	805	1680	92			2868
-0.4 TO -0.3	35	157	489	38			719
-0.6 TO -0.4	3	35	186	18			242
-0.8 TO -0.6		1	17	1			19
-1.0 TO -0.8		1	3				4
BELOW -1.0							
FLT TIME (MIN)	1569.2	16504.6	10946.5	112.3			29132.6

Table 31

C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Naha Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		1	4				5
0.6 TO 0.8	1	5	13				19
0.5 TO 0.6	5	16	25	1			47
0.4 TO 0.5	23	59	81				163
0.3 TO 0.4	94	267	358	4			723
0.2 TO 0.3	714	1490	1639	6			3849
0.1 TO 0.2	4785	9758	8121	23			22687
-0.2 TO -0.1	4359	9216	7918	16			21509
-0.3 TO -0.2	627	1237	1732	3			3599
-0.4 TO -0.3	85	191	325	2			603
-0.6 TO -0.4	8	59	114				181
-0.8 TO -0.6	4	9	9				22
-1.0 TO -0.8		1	4				5
BELOW -1.0							
FLT TIME (MIN)	3406.1	34172.0	11108.7	21.0			48707.8

Table 32

C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		1	6	1			8
0.5 TO 0.6		4	15	2			21
0.4 TO 0.5	3	10	71	7			91
0.3 TO 0.4	27	84	317	18			446
0.2 TO 0.3	166	385	1109	76			1736
0.1 TO 0.2	914	1368	3145	185			5612
-0.2 TO -0.1	905	1481	3284	203			5873
-0.3 TO -0.2	153	345	1091	53			1642
-0.4 TO -0.3	19	67	285	17			388
-0.6 TO -0.4	2	6	96	7			111
-0.8 TO -0.6		1	2	1			4
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	329.4	1457.9	1248.8	55.9			3091.9

Table 33

C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Dyess Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							2
0.6 TO 0.8							5
0.5 TO 0.6	2	5	9	1			17
0.4 TO 0.5	1	31	61	4			97
0.3 TO 0.4	28	96	192	10			326
0.2 TO 0.3	113	410	827	13			1363
0.1 TO 0.2	688	1831	2709	38			5266
	3240	5365	7507	69			16181
-0.2 TO -0.1	3000	5122	7451	51			15624
-0.3 TO -0.2	696	1775	2645	26			5142
-0.4 TO -0.3	97	459	774	14			1344
-0.6 TO -0.4	14	139	256	8			417
-0.8 TO -0.6		8	14	2			24
-1.0 TO -0.8			2				2
BELOW -1.0							
FLT TIME (MIN)	955.0	2264.7	1698.6	30.1			4948.4

Table 34

C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							1
0.5 TO 0.6	2		15	10			27
0.4 TO 0.5	3	7	44	7			61
0.3 TO 0.4	13	46	183	17			259
0.2 TO 0.3	161	308	629	50			1148
0.1 TO 0.2	1119	1604	2577	102			5402
	7770	8352	9107	144			25373
-0.2 TO -0.1	8454	8688	8804	158			26104
-0.3 TO -0.2	1000	1342	2207	89			4638
-0.4 TO -0.3	133	184	538	38			893
-0.6 TO -0.4	8	38	148	14			208
-0.8 TO -0.6			7	8			15
-1.0 TO -0.8	1		2				3
BELOW -1.0							
FLT TIME (MIN)	4299.1	7074.5	3345.0	41.0			14759.5

Table 35

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Naha Air Base**

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8	1	6	12				19
0.5 TO 0.6	2	10	43	1			56
0.4 TO 0.5	26	77	197	2			302
0.3 TO 0.4	125	380	829	5			1339
0.2 TO 0.3	745	1619	3319	11			5694
0.1 TO 0.2	4133	7942	12337	13			24425
-0.2 TO -0.1	3928	7487	11097	19			22531
-0.3 TO -0.2	587	1390	2732	9			4718
-0.4 TO -0.3	65	222	709	1			997
-0.6 TO -0.4	10	59	176	4			269
-0.8 TO -0.6	1	1	7				9
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	2903.4	15556.0	6985.2	10.0			25454.6

Table 36

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Sewart Air Force Base**

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8			6				6
0.5 TO 0.6		4	40	1			45
0.4 TO 0.5	4	8	99	4			115
0.3 TO 0.4	20	45	332	25			472
0.2 TO 0.3	168	204	1050	97			1519
0.1 TO 0.2	1062	853	2870	323			5108
-0.2 TO -0.1	1036	809	2829	301			4975
-0.3 TO -0.2	149	172	1009	89			1419
-0.4 TO -0.3	27	25	307	17			376
-0.6 TO -0.4	4	9	111	9			133
-0.8 TO -0.6			4				4
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	336.4	436.1	676.4	51.7			1494.6

Table 37
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 7000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0	1						1	1.0 TO 1.0							1
1.5 TO 1.5		1					1	1.5 TO 1.5							
1.4 TO 1.5	1						2	1.4 TO 1.5							
1.3 TO 1.4	10						10	1.3 TO 1.4	2						3
1.2 TO 1.3	17						27	1.2 TO 1.3	11						13
1.1 TO 1.2	76						102	1.1 TO 1.2	20						29
0.8 TO 0.9	30						37	0.8 TO 0.9	7						10
0.7 TO 0.8	9						10	0.7 TO 0.8	1						2
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6	2						2	0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (min)	03.3	23.0	0.2				00.5	FLY TIME (min)	1.1	0.0	0.9				14.8

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.5 TO 1.5								1.5 TO 1.5							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3		1					1	1.2 TO 1.3							
1.1 TO 1.2		5	2				7	1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (min)		5.3	2.0				0.2	FLY TIME (min)							1.7

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ	NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.5 TO 1.5								1.5 TO 1.5							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2				1			1	1.1 TO 1.2							1
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (min)		1.1	0.0				1.0	FLY TIME (min)							17.5

Table 38
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 75,000 to 85,000 lb.

Altitude 0 to 2000 feet									Altitude 2000 to 5000 feet								
LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL	LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8									ABOVE 2.8								
2.4 TO 2.8									2.4 TO 2.8								
2.0 TO 2.4				1				1	2.0 TO 2.4			1					1
1.6 TO 2.0			3					3	1.6 TO 2.0				1				1
1.2 TO 1.6			11	7				18	1.2 TO 1.6			4	3				7
0.8 TO 1.2			5	11	5			21	0.8 TO 1.2			5	4				11
0.4 TO 0.8			18	44	11			73	0.4 TO 0.8			3	0	2			14
0.0 TO 0.4			76	72	31			179	0.0 TO 0.4			19	28	11			58
BELOW 0.0			372	243	93			708	BELOW 0.0			67	98	46			211
FLY TIME (min)		1816	823	413				3052	FLY TIME (min)		251	293	902	2			1448
0.8 TO 0.4		863	370	141				1374	0.8 TO 0.4		145	160	128				433
0.4 TO 0.0		91	61	9				161	0.4 TO 0.0		14	27	13				54
0.0 TO 0.4		12	15	1				28	0.0 TO 0.4		3	7					11
0.4 TO 0.8		5	1					6	0.4 TO 0.8		1	1					2
0.8 TO 0.4									0.8 TO 0.4				1				1
0.4 TO 0.0									0.4 TO 0.0								
0.0 TO 0.4									BELOW 0.0								
FLY TIME (min)		1246.8	817.2	451.8				2515.8	FLY TIME (min)		736.2	746.3	413.0	1.0			1900.5
Altitude 5000 to 10,000 feet									Altitude 10,000 to 15,000 feet								
LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL	LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8									ABOVE 2.8								
2.4 TO 2.8									2.4 TO 2.8								
2.0 TO 2.4									2.0 TO 2.4								
1.6 TO 2.0									1.6 TO 2.0								
1.2 TO 1.6									1.2 TO 1.6								
0.8 TO 1.2									0.8 TO 1.2								
0.4 TO 0.8									0.4 TO 0.8								
0.0 TO 0.4									0.0 TO 0.4								
BELOW 0.0									BELOW 0.0								
FLY TIME (min)									FLY TIME (min)								
0.8 TO 0.4		3	21	39				63	0.8 TO 0.4			44	53				97
0.4 TO 0.0									0.4 TO 0.0				7				7
0.0 TO 0.4									0.0 TO 0.4								
0.4 TO 0.8									0.4 TO 0.8								
0.8 TO 0.4									0.8 TO 0.4								
0.4 TO 0.0									0.4 TO 0.0								
0.0 TO 0.4									0.0 TO 0.4								
BELOW 0.0									BELOW 0.0								
FLY TIME (min)		2.1	115.0	59.8	0.4			177.3	FLY TIME (min)		0.5	100.9	84.4				186.0
Altitude 15,000 to 20,000 feet									Altitude 20,000 to 25,000 feet								
LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL	LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8									ABOVE 2.8								
2.4 TO 2.8									2.4 TO 2.8								
2.0 TO 2.4									2.0 TO 2.4								
1.6 TO 2.0									1.6 TO 2.0								
1.2 TO 1.6									1.2 TO 1.6								
0.8 TO 1.2									0.8 TO 1.2								
0.4 TO 0.8									0.4 TO 0.8								
0.0 TO 0.4									0.0 TO 0.4								
BELOW 0.0									BELOW 0.0								
FLY TIME (min)									FLY TIME (min)								
0.8 TO 0.4		6	24	28				58	0.8 TO 0.4		9	140	4				153
0.4 TO 0.0									0.4 TO 0.0		3	10					13
0.0 TO 0.4									0.0 TO 0.4								
0.4 TO 0.8									0.4 TO 0.8								
0.8 TO 0.4									0.8 TO 0.4								
0.4 TO 0.0									0.4 TO 0.0								
0.0 TO 0.4									0.0 TO 0.4								
BELOW 0.0									BELOW 0.0								
FLY TIME (min)		9.7	126.4	15.0				151.0	FLY TIME (min)		15.8	209.6	10.4				235.8
Altitude 25,000 to 30,000 feet									Altitude 30,000 to 35,000 feet								
LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL	LOAD FACTOR	AZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8									ABOVE 2.8								
2.4 TO 2.8									2.4 TO 2.8								
2.0 TO 2.4									2.0 TO 2.4								
1.6 TO 2.0									1.6 TO 2.0								
1.2 TO 1.6									1.2 TO 1.6								
0.8 TO 1.2									0.8 TO 1.2								
0.4 TO 0.8									0.4 TO 0.8								
0.0 TO 0.4									0.0 TO 0.4								
BELOW 0.0									BELOW 0.0								
FLY TIME (min)									FLY TIME (min)								
0.8 TO 0.4									0.8 TO 0.4								
0.4 TO 0.0									0.4 TO 0.0								
0.0 TO 0.4									0.0 TO 0.4								
0.4 TO 0.8									0.4 TO 0.8								
0.8 TO 0.4									0.8 TO 0.4								
0.4 TO 0.0									0.4 TO 0.0								
0.0 TO 0.4									0.0 TO 0.4								
BELOW 0.0									BELOW 0.0								
FLY TIME (min)		12.6	65.8	57.2				135.6	FLY TIME (min)								

Table 39
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8		1					1	2.4 TO 2.8							
2.0 TO 2.4			2				2	2.0 TO 2.4		2	10	1			13
1.8 TO 2.0		5	4				9	1.8 TO 2.0		5	11				16
1.6 TO 1.8	4	16	8				28	1.6 TO 1.8	2	7	9				18
1.5 TO 1.6	3	24	11				38	1.5 TO 1.6	5	13	8	2			28
1.4 TO 1.5	16	49	14	1			80	1.4 TO 1.5	9	26	32				67
1.3 TO 1.4	76	129	71				276	1.3 TO 1.4	24	63	49	1			137
1.2 TO 1.3	471	415	275				1161	1.2 TO 1.3	102	160	139	1			422
1.1 TO 1.2	3027	1448	494	1			5440	1.1 TO 1.2	399	522	700	1			1622
0.8 TO 0.9	1622	724	422				2748	0.8 TO 0.9	271	318	385	1			975
0.7 TO 0.8	177	102	115				394	0.7 TO 0.8	36	56	55				147
0.6 TO 0.7	19	7	16				42	0.6 TO 0.7	2	12	4				20
0.4 TO 0.6	2	1	4				7	0.4 TO 0.6		1	4	1			6
0.2 TO 0.4			1				1	0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	2555.7	1503.3	1714.6	4.2			5777.8	FLT TIME (MIN)	499.9	688.4	1068.1	11.7			2268.1
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8		1					2	2.4 TO 2.8							
2.0 TO 2.4		1	1				2	2.0 TO 2.4							
1.8 TO 2.0		2	1				3	1.8 TO 2.0							
1.6 TO 1.8		2	3				5	1.6 TO 1.8							
1.5 TO 1.6	1	2	1				4	1.5 TO 1.6			1				1
1.4 TO 1.5	5	3	2				10	1.4 TO 1.5							
1.3 TO 1.4	16	16	16				33	1.3 TO 1.4	1	1	1				3
1.2 TO 1.3	4	127	65				196	1.2 TO 1.3	5	32	22				59
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9	2	67	31				100	0.8 TO 0.9	1	16	12				29
0.7 TO 0.8		4	4				8	0.7 TO 0.8							
0.6 TO 0.7	2						2	0.6 TO 0.7		1					1
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	9.6	189.3	212.8	0.8			412.5	FLT TIME (MIN)	2.4	143.7	36.0	0.4			182.4
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0		2					2	1.8 TO 2.0		2					2
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6		2	1				3	1.5 TO 1.6							
1.4 TO 1.5		4	1				5	1.4 TO 1.5	1	5					6
1.3 TO 1.4		27	5				32	1.3 TO 1.4	6	17	1				24
1.2 TO 1.3		219	34				253	1.2 TO 1.3	4	150	12				166
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9	1	77	7				85	0.8 TO 0.9	1	58	12				71
0.7 TO 0.8		8	3				11	0.7 TO 0.8		2					2
0.6 TO 0.7								0.6 TO 0.7		1					1
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	0.4	292.0	19.0	2.0			309.5	FLT TIME (MIN)	11.7	278.0	70.2				360.0
Altitude: 25,000 to 30,000 feet															
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL								
NZ	150	200	250	300	350	AND ABOVE	NZ								
ABOVE 2.8															
2.4 TO 2.8															
2.0 TO 2.4															
1.8 TO 2.0															
1.6 TO 1.8															
1.5 TO 1.6															
1.4 TO 1.5															
1.3 TO 1.4															
1.2 TO 1.3		1	2				3								
1.1 TO 1.2															
0.8 TO 0.9	5		1				6								
0.7 TO 0.8															
0.6 TO 0.7															
0.4 TO 0.6															
0.2 TO 0.4															
0.0 TO 0.2															
BELOW 0.0															
FLT TIME (MIN)	5.0	35.9	55.0				95.9								

Table 40
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8	1	3	1				4
1.5 TO 1.6	6	5	2				9
1.4 TO 1.5	7	13	18				15
1.3 TO 1.4	23	49	41				38
1.2 TO 1.3	150	217	211	2			113
1.1 TO 1.2	1363	1005	996	8			590
							3372
0.8 TO 0.9	754	483	521	7			1765
0.7 TO 0.8	64	63	105				232
0.6 TO 0.7	1	8	13				22
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1484.9	1025.6	1678.7	34.4			4223.6
Altitude: 2000 to 5000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.9 TO 0.9	107	116	93				316
0.7 TO 0.8	13	15	19				47
0.6 TO 0.7			5				11
0.4 TO 0.6			2				3
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	106.4	319.7	555.3	0.5			1061.9
Altitude: 5000 to 10,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.1	29.0	15.2				44.3
Altitude: 10,000 to 15,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	36.9	79.8	0.8			119.5
Altitude: 15,000 to 20,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	65.9	8.0					74.0
Altitude: 20,000 to 25,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.2	140.1	130.6				270.9
Altitude: 25,000 to 30,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	6.0	16.0					20.0

Table 41
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0		1					1	1.8 TO 2.0							
1.6 TO 1.8		2	1				3	1.6 TO 1.8							
1.5 TO 1.6			3				3	1.5 TO 1.6			1				1
1.4 TO 1.5			3				3	1.4 TO 1.5			1				1
1.3 TO 1.4			7				7	1.3 TO 1.4			1				1
1.2 TO 1.3	1	9	36				46	1.2 TO 1.3			1				1
1.1 TO 1.2	27	79	144				250	1.1 TO 1.2	3	15	26				44
	267	400	730	11			1425		8	109	190				307
0.8 TO 0.9	188	222	406	8			824	0.8 TO 0.9	4	48	109				179
0.7 TO 0.8	8	31	64	1			104	0.7 TO 0.8		1	12				13
0.6 TO 0.7		1	7				8	0.6 TO 0.7			4				4
0.4 TO 0.6			1				1	0.4 TO 0.6			1				1
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	292.3	455.6	1265.7	21.9			2035.5	FLT TIME (MIN)	10.1	110.3	204.9				325.3

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3		1					1	1.2 TO 1.3		1	1				2
1.1 TO 1.2		4	2				6	1.1 TO 1.2	2	27	4				33
0.8 TO 0.9	1	5					6	0.8 TO 0.9		30					30
0.7 TO 0.8		1					1	0.7 TO 0.8		3	1				4
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	0.8	34.8	3.7				39.3	FLT TIME (MIN)	2.0	76.0	15.4	2.0			95.4

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3		5					5	1.2 TO 1.3							
1.1 TO 1.2		65	5				70	1.1 TO 1.2		7	1				8
0.8 TO 0.9		28	4				32	0.8 TO 0.9		1	2				3
0.7 TO 0.8		1					1	0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	40.8	4.7					45.5	FLT TIME (MIN)	0.7	20.6	26.1				49.4

2.

Table 43
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	81.9	16.9	3.4				102.2
Altitude: 2000 to 5000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	25.2	13.7	21.2	5.9			66.0
Altitude: 5000 to 10,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	2.5	10.4	0.9				13.8
Altitude: 10,000 to 15,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	0.6	9.9					10.5
Altitude: 15,000 to 20,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	11.0	41.2					52.2
Altitude: 20,000 to 25,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	2.0	2.7					4.7
Altitude: 25,000 to 30,000 feet							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	0.0	2.0					2.0

Table 44
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8			2				2	2.4 TO 2.8				1			1
2.0 TO 2.4			1	5			6	2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8		2	7	5			14	1.6 TO 1.8			1				5
1.5 TO 1.6		2	14	6			22	1.5 TO 1.6			1	5			6
1.4 TO 1.5		23	48	19			82	1.4 TO 1.5							
1.3 TO 1.4		109	135	37			281	1.3 TO 1.4			12	14	1		29
1.2 TO 1.3		568	410	65			1043	1.2 TO 1.3		16	57	37	2		112
1.1 TO 1.2		2123	893	163			3159	1.1 TO 1.2		68	207	84	4		363
0.8 TO 0.9		1289	445	91			1825	0.8 TO 0.9		327	544	206	7		1084
0.7 TO 0.8		190	101	24			315	0.7 TO 0.8		199	286	119	1		605
0.6 TO 0.7		11	18	7			36	0.6 TO 0.7		62	56	33	1		152
0.4 TO 0.6		4		2			6	0.4 TO 0.6		3	2	3			13
0.2 TO 0.4								0.2 TO 0.4							5
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		1235.2	849.6	266.8	0.1		2371.7	FLT TIME (MIN)		295.1	494.0	303.6	12.1		1104.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8				1			1
2.0 TO 2.4								2.0 TO 2.4				1			1
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8				2			2	1.6 TO 1.8			1	4			5
1.5 TO 1.6			1				1	1.5 TO 1.6			3	3	1		7
1.4 TO 1.5			3	0	1		4	1.4 TO 1.5			3	2			5
1.3 TO 1.4			7	24	5		35	1.3 TO 1.4			7	11	1		21
1.2 TO 1.3		4	29	68	5		106	1.2 TO 1.3		2	23	41	2		67
1.1 TO 1.2		8	106	278	10		402	1.1 TO 1.2		1	65	149	7		245
0.8 TO 0.9		7	74	184	4		269	0.8 TO 0.9		4	65	149	7		245
0.7 TO 0.8		4	21	10			44	0.7 TO 0.8		6	38	90	2		138
0.6 TO 0.7			2				2	0.6 TO 0.7		7	11	1			19
0.4 TO 0.6			2	1	1		4	0.4 TO 0.6		4	3				7
0.2 TO 0.4								0.2 TO 0.4		1					1
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		7.9	153.4	538.1	23.8		723.2	FLT TIME (MIN)		5.2	145.5	357.0	7.3		515.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8			2				2
1.5 TO 1.6			3	1			4	1.5 TO 1.6							
1.4 TO 1.5			4	2			6	1.4 TO 1.5			4	1			5
1.3 TO 1.4		1	11	11	1		24	1.3 TO 1.4			8				8
1.2 TO 1.3			23	43			66	1.2 TO 1.3			60	14			74
1.1 TO 1.2		2	88	157	4		251	1.1 TO 1.2		3	468	139			610
0.8 TO 0.9		6	57	90	1		163	0.8 TO 0.9		4	316	79			399
0.7 TO 0.8		1	12	19			32	0.7 TO 0.8		2	24	4			30
0.6 TO 0.7			6	3			9	0.6 TO 0.7			3				3
0.4 TO 0.6								0.4 TO 0.6			1				1
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		8.7	310.6	651.8	3.3		984.3	FLT TIME (MIN)		14.5	1973.0	979.0	1.4		2967.9
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5			1	1			2	1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3		1	4	2			7	1.2 TO 1.3							
1.1 TO 1.2		4	45	19			68	1.1 TO 1.2							
0.8 TO 0.9		1	38	14			53	0.8 TO 0.9							
0.7 TO 0.8			3	1			4	0.7 TO 0.8		25					25
0.6 TO 0.7			1				1	0.6 TO 0.7		1					2
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		7.2	1451.5	249.7			1708.4	FLT TIME (MIN)		329.0	124.0				453.0

Table 45
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 5000 feet									
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT	
NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200
ABOVE 2.8								ABOVE 2.8								ABOVE 2.8			
2.4 TO 2.8								2.4 TO 2.8								2.4 TO 2.8			
2.0 TO 2.4			1	2				2.0 TO 2.4								2.0 TO 2.4			
1.6 TO 2.0			2	4				1.6 TO 2.0								1.6 TO 2.0			
1.2 TO 1.6			4	7				1.2 TO 1.6								1.2 TO 1.6			
1.0 TO 1.2			4	8				1.0 TO 1.2								1.0 TO 1.2			
0.8 TO 1.0			13	8	2			0.8 TO 1.0								0.8 TO 1.0			
0.6 TO 0.8			46	13	3			0.6 TO 0.8								0.6 TO 0.8			
0.4 TO 0.6			121	149	50	2		0.4 TO 0.6								0.4 TO 0.6			
0.2 TO 0.4			612	608	147	5		0.2 TO 0.4								0.2 TO 0.4			
BELOW 0.2			2763	1410	300	3		BELOW 0.2								BELOW 0.2			
FLY TIME (MIN)		1466.0	1309.2	792.6	17.6		3583.1	FLY TIME (MIN)		503.3	1294.9	1013.4	12.7		2826.3	FLY TIME (MIN)			
Altitude: 5000 to 10,000 feet										Altitude: 10,000 to 15,000 feet									
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT	
NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200
ABOVE 2.8								ABOVE 2.8								ABOVE 2.8			
2.4 TO 2.8								2.4 TO 2.8								2.4 TO 2.8			
2.0 TO 2.4				1				2.0 TO 2.4								2.0 TO 2.4			
1.6 TO 2.0				6				1.6 TO 2.0								1.6 TO 2.0			
1.2 TO 1.6				1				1.2 TO 1.6								1.2 TO 1.6			
1.0 TO 1.2				6				1.0 TO 1.2								1.0 TO 1.2			
0.8 TO 1.0				14				0.8 TO 1.0								0.8 TO 1.0			
0.6 TO 0.8				4				0.6 TO 0.8								0.6 TO 0.8			
0.4 TO 0.6				17				0.4 TO 0.6								0.4 TO 0.6			
0.2 TO 0.4				44				0.2 TO 0.4								0.2 TO 0.4			
BELOW 0.2				191				BELOW 0.2								BELOW 0.2			
FLY TIME (MIN)		36.1	706.3	944.3	37.0		1749.0	FLY TIME (MIN)		17.6	712.7	974.8	17.5		1722.6	FLY TIME (MIN)			
Altitude: 15,000 to 20,000 feet										Altitude: 20,000 to 25,000 feet									
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT	
NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200
ABOVE 2.8								ABOVE 2.8								ABOVE 2.8			
2.4 TO 2.8								2.4 TO 2.8								2.4 TO 2.8			
2.0 TO 2.4								2.0 TO 2.4								2.0 TO 2.4			
1.6 TO 2.0								1.6 TO 2.0								1.6 TO 2.0			
1.2 TO 1.6								1.2 TO 1.6								1.2 TO 1.6			
1.0 TO 1.2								1.0 TO 1.2								1.0 TO 1.2			
0.8 TO 1.0								0.8 TO 1.0								0.8 TO 1.0			
0.6 TO 0.8								0.6 TO 0.8								0.6 TO 0.8			
0.4 TO 0.6								0.4 TO 0.6								0.4 TO 0.6			
0.2 TO 0.4								0.2 TO 0.4								0.2 TO 0.4			
BELOW 0.2								BELOW 0.2								BELOW 0.2			
FLY TIME (MIN)		64.1	1449.2	1969.0	5.5		3386.7	FLY TIME (MIN)		173.0	6706.4	4415.2	1.0		11295.6	FLY TIME (MIN)			
Altitude: 25,000 to 30,000 feet										Altitude: 30,000 feet and Above									
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT	
NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	WZ	LESS THAN 150	150 TO 200
ABOVE 2.8								ABOVE 2.8								ABOVE 2.8			
2.4 TO 2.8								2.4 TO 2.8								2.4 TO 2.8			
2.0 TO 2.4								2.0 TO 2.4								2.0 TO 2.4			
1.6 TO 2.0								1.6 TO 2.0								1.6 TO 2.0			
1.2 TO 1.6								1.2 TO 1.6								1.2 TO 1.6			
1.0 TO 1.2								1.0 TO 1.2								1.0 TO 1.2			
0.8 TO 1.0								0.8 TO 1.0								0.8 TO 1.0			
0.6 TO 0.8								0.6 TO 0.8								0.6 TO 0.8			
0.4 TO 0.6								0.4 TO 0.6								0.4 TO 0.6			
0.2 TO 0.4								0.2 TO 0.4								0.2 TO 0.4			
BELOW 0.2								BELOW 0.2								BELOW 0.2			
FLY TIME (MIN)		120.4	6020.5	1049.4			7190.5	FLY TIME (MIN)		62.8	407.5	27.2			1007.5	FLY TIME (MIN)			

Table 46
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 95,000 to 105,000 lb.

Altitude 0 to 2000 feet										Altitude 2000 to 5000 feet									
EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL	EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL				
LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE					
ABOVE 2.8								ABOVE 2.8											
2.4 TO 2.8								2.4 TO 2.8											
2.0 TO 2.4								2.0 TO 2.4											
1.6 TO 2.0								1.6 TO 2.0											
1.2 TO 1.6								1.2 TO 1.6											
0.8 TO 1.2								0.8 TO 1.2											
0.4 TO 0.8								0.4 TO 0.8											
0.0 TO 0.4								0.0 TO 0.4											
BELOW 0.0								BELOW 0.0											
FLY TIME (MIN)	652.7	570.6	336.1	1.9			1561.3	FLY TIME (MIN)	233.4	396.9	366.1	1.1		1397.5					
Altitude: 5000 to 10,000 feet										Altitude: 10,000 to 15,000 feet									
EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL	EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL				
LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE					
ABOVE 2.8								ABOVE 2.8											
2.4 TO 2.8								2.4 TO 2.8											
2.0 TO 2.4								2.0 TO 2.4											
1.6 TO 2.0								1.6 TO 2.0											
1.2 TO 1.6								1.2 TO 1.6											
0.8 TO 1.2								0.8 TO 1.2											
0.4 TO 0.8								0.4 TO 0.8											
0.0 TO 0.4								0.0 TO 0.4											
BELOW 0.0								BELOW 0.0											
FLY TIME (MIN)	27.9	953.8	432.1	17.7			1431.4	FLY TIME (MIN)	30.1	1013.5	622.9	26.5		1753.0					
Altitude: 15,000 to 20,000 feet										Altitude: 20,000 to 25,000 feet									
EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL	EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL				
LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE					
ABOVE 2.8								ABOVE 2.8											
2.4 TO 2.8								2.4 TO 2.8											
2.0 TO 2.4								2.0 TO 2.4											
1.6 TO 2.0								1.6 TO 2.0											
1.2 TO 1.6								1.2 TO 1.6											
0.8 TO 1.2								0.8 TO 1.2											
0.4 TO 0.8								0.4 TO 0.8											
0.0 TO 0.4								0.0 TO 0.4											
BELOW 0.0								BELOW 0.0											
FLY TIME (MIN)	66.6	1340.9	1517.9	12.8			2938.2	FLY TIME (MIN)	173.3	6775.3	3400.5	2.9		10811.9					
Altitude: 25,000 to 30,000 feet										Altitude: 30,000 feet and Above									
EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL	EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL				
LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LOAD FACTOR NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE					
ABOVE 2.8								ABOVE 2.8											
2.4 TO 2.8								2.4 TO 2.8											
2.0 TO 2.4								2.0 TO 2.4											
1.6 TO 2.0								1.6 TO 2.0											
1.2 TO 1.6								1.2 TO 1.6											
0.8 TO 1.2								0.8 TO 1.2											
0.4 TO 0.8								0.4 TO 0.8											
0.0 TO 0.4								0.0 TO 0.4											
BELOW 0.0								BELOW 0.0											
FLY TIME (MIN)	110.1	1007.1	1279.6				2396.8	FLY TIME (MIN)	40.3	614.5	6.6			661.6					

Table 47

**C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 105,000 to 115,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 3000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.9 TO 0.9								0.9 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		262.1	183.5	166.1	0.0		552.5	FLT TIME (MIN)		40.3	360.5	100.6	0.3		550.3
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.9 TO 0.9								0.9 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		15.3	256.6	290.9	10.6		690.5	FLT TIME (MIN)		5.3	667.5	547.0	4.8		1224.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.9 TO 0.9								0.9 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		54.7	1145.6	793.9	0.0		1994.9	FLT TIME (MIN)		132.2	6466.6	1941.3	0.2		8600.3
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	FACTOR	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.9 TO 0.9								0.9 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		26.6	4079.6	129.6			4236.0	FLT TIME (MIN)		6.0	125.6	17.0			148.6

Table 48
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR NE	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NE	LOAD FACTOR NE	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NE
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.4								ABOVE 2.8							
2.4 TO 2.5								2.4 TO 2.5							
2.5 TO 2.6								2.5 TO 2.6							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
0.0 TO 0.1								0.0 TO 0.1							
FLY TIME (MIN)	113.7	164.8	115.2				393.7	FLY TIME (MIN)	19.3	302.2	90.0	0.7			412.2
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR NE	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NE	LOAD FACTOR NE	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NE
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.4								ABOVE 2.8							
2.4 TO 2.5								2.4 TO 2.5							
2.5 TO 2.6								2.5 TO 2.6							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
0.0 TO 0.1								0.0 TO 0.1							
FLY TIME (MIN)	8.8	517.9	153.0	23.7			703.4	FLY TIME (MIN)	10.5	518.5	98.7	6.4			634.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR NE	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NE	LOAD FACTOR NE	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NE
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.4								ABOVE 2.8							
2.4 TO 2.5								2.4 TO 2.5							
2.5 TO 2.6								2.5 TO 2.6							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
0.0 TO 0.1								0.0 TO 0.1							
FLY TIME (MIN)	26.8	654.0	214.1				914.9	FLY TIME (MIN)	57.2	2256.5	357.1				2600.8
Altitude: 25,000 to 30,000 feet															
LOAD FACTOR NE	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NE	LOAD FACTOR NE							TOTAL NE
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE									
ABOVE 2.4								ABOVE 2.8							
2.4 TO 2.5								2.4 TO 2.5							
2.5 TO 2.6								2.5 TO 2.6							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
0.0 TO 0.1								0.0 TO 0.1							
FLY TIME (MIN)	19.0	911.1	22.0				951.1								

Table 49
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
BELOW 0.1								BELOW 0.1							
FLY TIME (min)	1.9	0.4					2.2	FLY TIME (min)	7.5	0.2	0.5				25.2
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
BELOW 0.1								BELOW 0.1							
FLY TIME (min)	0.7	0.9					5.6	FLY TIME (min)	5.3						5.3
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
BELOW 0.1								BELOW 0.1							
FLY TIME (min)	0.0						0.0	FLY TIME (min)	10.0						10.0
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
BELOW 0.1								BELOW 0.1							
FLY TIME (min)	10.0						10.0	FLY TIME (min)							

Table 50
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 20000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.6 TO 2.0								1.6 TO 2.0							
1.2 TO 1.6								1.2 TO 1.6							
1.0 TO 1.2								1.0 TO 1.2							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
BELOW 0.2								BELOW 0.2							
FLY TIME (MIN)	104.4	60.9	1.5				171.8	FLY TIME (MIN)	24.0	37.0	11.4				77.4
Altitude: 2000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.6 TO 2.0								1.6 TO 2.0							
1.2 TO 1.6								1.2 TO 1.6							
1.0 TO 1.2								1.0 TO 1.2							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
BELOW 0.2								BELOW 0.2							
FLY TIME (MIN)		0.0	10.4	0.4			11.9	FLY TIME (MIN)		0.7	7.8				8.5
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.6 TO 2.0								1.6 TO 2.0							
1.2 TO 1.6								1.2 TO 1.6							
1.0 TO 1.2								1.0 TO 1.2							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
BELOW 0.2								BELOW 0.2							
FLY TIME (MIN)	0.0	10.3	6.5				17.5	FLY TIME (MIN)	00.4	12.0					12.9
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.6 TO 2.0								1.6 TO 2.0							
1.2 TO 1.6								1.2 TO 1.6							
1.0 TO 1.2								1.0 TO 1.2							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
BELOW 0.2								BELOW 0.2							
FLY TIME (MIN)							0.3	FLY TIME (MIN)							0.8

Table 51
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0	1	3	1				4	1.8 TO 2.0							2
1.6 TO 1.8	2	16	11				29	1.6 TO 1.8							1
1.5 TO 1.6	4	21	10				35	1.5 TO 1.6	1	4	3				7
1.4 TO 1.5	44	60	15	1			120	1.4 TO 1.5	1	7	2				10
1.3 TO 1.4	150	202	50				402	1.3 TO 1.4	8	27	8				43
1.2 TO 1.3	720	614	149	1			1484	1.2 TO 1.3	61	121	39				221
1.1 TO 1.2	2689	1522	197				4408	1.1 TO 1.2	230	410	105				745
0.8 TO 0.9	1489	601	117				2207	0.8 TO 0.9	800	1053	329				2182
0.7 TO 0.8	204	117	41				362	0.7 TO 0.8	482	517	164				1163
0.6 TO 0.7	20	19	8				47	0.6 TO 0.7	116	108	24				248
0.4 TO 0.6	4	2	2				8	0.4 TO 0.6	12	25	3				40
0.2 TO 0.4								0.2 TO 0.4	2	3					5
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	1449.7	987.2	398.6	4.6			2840.2	FLY TIME (MIN)	662.2	925.1	568.6	1.0			2156.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6		2	1				3	1.5 TO 1.6							
1.4 TO 1.5		5					5	1.4 TO 1.5							
1.3 TO 1.4		11	2				14	1.3 TO 1.4							
1.2 TO 1.3	1	11	10	7			27	1.2 TO 1.3							
1.1 TO 1.2	1	70	39	2			112	1.1 TO 1.2	3	5	9	4			19
0.8 TO 0.9	15	180	146	6			347	0.8 TO 0.9	15	19	33	2			57
0.7 TO 0.8	24	95	77	1			197	0.7 TO 0.8	9	74	81	3			167
0.6 TO 0.7	4	19	11				34	0.6 TO 0.7							
0.4 TO 0.6	1	2	1				4	0.4 TO 0.6							
0.2 TO 0.4		1					1	0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	14.9	222.1	207.1	2.0			446.1	FLY TIME (MIN)	9.1	117.7	145.9	2.4			275.2
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	12.4	270.0	154.6	1.5			438.5	FLY TIME (MIN)	37.2	1230.6	444.8				1672.5
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	7.9	326.1	138.1				472.1	FLY TIME (MIN)	25.0	216.0					238.0

Table 52
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)								FLT TIME (MIN)							
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)								FLT TIME (MIN)							
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)								FLT TIME (MIN)							
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)								FLT TIME (MIN)							

Table 53
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	655.3	644.6	595.1	4.1			1899.1	FLT TIME (MIN)	257.1	692.6	429.2	14.4			1393.2

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	11.8	303.9	296.7	6.8			699.3	FLT TIME (MIN)	12.3	379.3	166.3	4.2			560.0

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	81.7	514.9	302.3				899.0	FLT TIME (MIN)	19.8	2154.9	929.8				3104.6

Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	15.1	1069.5	19.6				1104.2	FLT TIME (MIN)	72.8	156.0	10.0				238.8

Table 54
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	466.1	438.0	312.0	4.5			1220.7	FLT TIME (MIN)	225.4	396.8	167.2	3.4			772.8
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	5.5	133.1	27.7	9.3			169.7	FLT TIME (MIN)	10.1	125.8	43.6	5.2			184.8
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	47.8	187.6	152.5	0.8			388.8	FLT TIME (MIN)	5.3	881.0	374.5				1210.8
Altitude: 25,000 to 30,000 feet															
EQUIVALENT AIRSPEED - VE (KNOTS)															
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL								
ABOVE 2.8															
2.4 TO 2.8															
2.0 TO 2.4															
1.8 TO 2.0															
1.6 TO 1.8															
1.5 TO 1.6															
1.4 TO 1.5															
1.3 TO 1.4															
1.2 TO 1.3															
1.1 TO 1.2															
0.8 TO 0.9															
0.7 TO 0.8															
0.6 TO 0.7															
0.4 TO 0.6															
0.2 TO 0.4															
0.0 TO 0.2															
BELOW 0.0															
FLT TIME (MIN)	0.5	148.5					150.0								

Table 55
C-130A — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.9								2.0 TO 2.9							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.9 TO 0.9								0.9 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)		22.9	64.7	20.8			170.2	FLY TIME (MIN)		0.4	68.1	6.0	2.2		76.7

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.9								2.0 TO 2.9							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.9 TO 0.9								0.9 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)		32.3	9.6				42.0	FLY TIME (MIN)		71.3	2.5				73.8

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.9								2.0 TO 2.9							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.9 TO 0.9								0.9 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)		81.1	102.6				183.7	FLY TIME (MIN)		1.5	463.3	31.7			496.5

Table 56
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet								
LOAD FACTOR DELTA N2	EQUIVALENT THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3	23	5	1				29	0.2 TO 0.3			2				3
0.1 TO 0.2	136	38	3				179	0.1 TO 0.2	3	47	27				77
-0.2 TO -0.1	130	30	2				162	-0.2 TO -0.1	4	31	14				49
-0.3 TO -0.2	30	7					37	-0.3 TO -0.2	1	4	2				7
-0.4 TO -0.3	8						8	-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	43.3	23.0	0.2				66.5	FLT TIME (MIN)	1.1	8.8	4.9				14.8

Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet								
LOAD FACTOR DELTA N2	EQUIVALENT THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3		1					1	0.2 TO 0.3							
0.1 TO 0.2		6					6	0.1 TO 0.2							
-0.2 TO -0.1		4					4	-0.2 TO -0.1							
-0.3 TO -0.2		1					1	-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	5.3	2.9					8.2	FLT TIME (MIN)			1.7				1.7

Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet								
LOAD FACTOR DELTA N2	EQUIVALENT THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	1.1	0.6					1.9	FLT TIME (MIN)			19.5				19.5

Table 57
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	1246.8	817.2	451.8				2515.8	FLT TIME (MIN)	250.2	346.3	413.9	1.9			998.3
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	2.1	115.0	54.8	0.4			177.3	FLT TIME (MIN)	0.5	170.9	54.6				146.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	9.2	126.4	17.9				151.6	FLT TIME (MIN)	15.8	269.6	16.6				299.8
Altitude: 25,000 to 30,000 feet															
EQUIVALENT AIRSPEED - VE (KNOTS)															
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2								
ABOVE 1.0															
1.4 TO 1.0															
1.0 TO 1.4															
0.8 TO 1.0															
0.6 TO 0.8															
0.5 TO 0.6															
0.4 TO 0.5															
0.3 TO 0.4															
0.2 TO 0.3															
0.1 TO 0.2															
-0.2 TO -0.1															
-0.3 TO -0.2															
-0.4 TO -0.3															
-0.6 TO -0.4															
-0.8 TO -0.6															
-1.0 TO -0.8															
BELOW -1.0															
FLT TIME (MIN)	12.6	65.8	57.2				135.6								

Table 58
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 4000 feet										
EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL					EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL					EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL				
LESS THAN 150	150	200	250	300	350	ABOVE	LESS THAN 150	150	200	250	300	350	ABOVE	LESS THAN 150	150	200	250	300	350	ABOVE
DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ	DELTA MZ
ABOVE 1.4							ABOVE 1.4							ABOVE 1.4						
1.4 TO 1.5							1.4 TO 1.5							1.4 TO 1.5						
1.5 TO 1.6							1.5 TO 1.6							1.5 TO 1.6						
1.6 TO 1.7							1.6 TO 1.7							1.6 TO 1.7						
1.7 TO 1.8							1.7 TO 1.8							1.7 TO 1.8						
1.8 TO 1.9							1.8 TO 1.9							1.8 TO 1.9						
1.9 TO 2.0							1.9 TO 2.0							1.9 TO 2.0						
2.0 TO 2.1							2.0 TO 2.1							2.0 TO 2.1						
2.1 TO 2.2							2.1 TO 2.2							2.1 TO 2.2						
2.2 TO 2.3							2.2 TO 2.3							2.2 TO 2.3						
2.3 TO 2.4							2.3 TO 2.4							2.3 TO 2.4						
2.4 TO 2.5							2.4 TO 2.5							2.4 TO 2.5						
2.5 TO 2.6							2.5 TO 2.6							2.5 TO 2.6						
2.6 TO 2.7							2.6 TO 2.7							2.6 TO 2.7						
2.7 TO 2.8							2.7 TO 2.8							2.7 TO 2.8						
2.8 TO 2.9							2.8 TO 2.9							2.8 TO 2.9						
2.9 TO 3.0							2.9 TO 3.0							2.9 TO 3.0						
3.0 TO 3.1							3.0 TO 3.1							3.0 TO 3.1						
3.1 TO 3.2							3.1 TO 3.2							3.1 TO 3.2						
3.2 TO 3.3							3.2 TO 3.3							3.2 TO 3.3						
3.3 TO 3.4							3.3 TO 3.4							3.3 TO 3.4						
3.4 TO 3.5							3.4 TO 3.5							3.4 TO 3.5						
3.5 TO 3.6							3.5 TO 3.6							3.5 TO 3.6						
3.6 TO 3.7							3.6 TO 3.7							3.6 TO 3.7						
3.7 TO 3.8							3.7 TO 3.8							3.7 TO 3.8						
3.8 TO 3.9							3.8 TO 3.9							3.8 TO 3.9						
3.9 TO 4.0							3.9 TO 4.0							3.9 TO 4.0						
4.0 TO 4.1							4.0 TO 4.1							4.0 TO 4.1						
4.1 TO 4.2							4.1 TO 4.2							4.1 TO 4.2						
4.2 TO 4.3							4.2 TO 4.3							4.2 TO 4.3						
4.3 TO 4.4							4.3 TO 4.4							4.3 TO 4.4						
4.4 TO 4.5							4.4 TO 4.5							4.4 TO 4.5						
4.5 TO 4.6							4.5 TO 4.6							4.5 TO 4.6						
4.6 TO 4.7							4.6 TO 4.7							4.6 TO 4.7						
4.7 TO 4.8							4.7 TO 4.8							4.7 TO 4.8						
4.8 TO 4.9							4.8 TO 4.9							4.8 TO 4.9						
4.9 TO 5.0							4.9 TO 5.0							4.9 TO 5.0						
5.0 TO 5.1							5.0 TO 5.1							5.0 TO 5.1						
5.1 TO 5.2							5.1 TO 5.2							5.1 TO 5.2						
5.2 TO 5.3							5.2 TO 5.3							5.2 TO 5.3						
5.3 TO 5.4							5.3 TO 5.4							5.3 TO 5.4						
5.4 TO 5.5							5.4 TO 5.5							5.4 TO 5.5						
5.5 TO 5.6							5.5 TO 5.6							5.5 TO 5.6						
5.6 TO 5.7							5.6 TO 5.7							5.6 TO 5.7						
5.7 TO 5.8							5.7 TO 5.8							5.7 TO 5.8						
5.8 TO 5.9							5.8 TO 5.9							5.8 TO 5.9						
5.9 TO 6.0							5.9 TO 6.0							5.9 TO 6.0						
6.0 TO 6.1							6.0 TO 6.1							6.0 TO 6.1						
6.1 TO 6.2							6.1 TO 6.2							6.1 TO 6.2						
6.2 TO 6.3							6.2 TO 6.3							6.2 TO 6.3						
6.3 TO 6.4							6.3 TO 6.4							6.3 TO 6.4						
6.4 TO 6.5							6.4 TO 6.5							6.4 TO 6.5						
6.5 TO 6.6							6.5 TO 6.6							6.5 TO 6.6						
6.6 TO 6.7							6.6 TO 6.7							6.6 TO 6.7						
6.7 TO 6.8							6.7 TO 6.8							6.7 TO 6.8						
6.8 TO 6.9							6.8 TO 6.9							6.8 TO 6.9						
6.9 TO 7.0							6.9 TO 7.0							6.9 TO 7.0						
7.0 TO 7.1							7.0 TO 7.1							7.0 TO 7.1						
7.1 TO 7.2							7.1 TO 7.2							7.1 TO 7.2						
7.2 TO 7.3							7.2 TO 7.3							7.2 TO 7.3						
7.3 TO 7.4							7.3 TO 7.4							7.3 TO 7.4						
7.4 TO 7.5							7.4 TO 7.5							7.4 TO 7.5						
7.5 TO 7.6							7.5 TO 7.6							7.5 TO 7.6						
7.6 TO 7.7							7.6 TO 7.7							7.6 TO 7.7						
7.7 TO 7.8							7.7 TO 7.8							7.7 TO 7.8						
7.8 TO 7.9							7.8 TO 7.9							7.8 TO 7.9						
7.9 TO 8.0							7.9 TO 8.0							7.9 TO 8.0						
8.0 TO 8.1							8.0 TO 8.1							8.0 TO 8.1						
8.1 TO 8.2							8.1 TO 8.2							8.1 TO 8.2						
8.2 TO 8.3							8.2 TO 8.3							8.2 TO 8.3						
8.3 TO 8.4							8.3 TO 8.4							8.3 TO 8.4						
8.4 TO 8.5							8.4 TO 8.5							8.4 TO 8.5						
8.5 TO 8.6							8.5 TO 8.6							8.5 TO 8.6						
8.6 TO 8.7							8.6 TO 8.7							8.6 TO 8.7						
8.7 TO 8.8							8.7 TO 8.8							8.7 TO 8.8						
8.8 TO 8.9							8.8 TO 8.9							8.8 TO 8.9						
8.9 TO 9.0							8.9 TO 9.0							8.9 TO 9.0						
9.0 TO 9.1							9.0 TO 9.1							9.0 TO 9.1						
9.1 TO 9.2							9.1 TO 9.2							9.1 TO 9.2						
9.2 TO 9.3							9.2 TO 9.3							9.2 TO 9.3						
9.3 TO 9.4							9.3 TO 9.4							9.3 TO 9.4						
9.4 TO 9.5							9.4 TO 9.5							9.4 TO 9.5						
9.5 TO 9.6							9.5 TO 9.6							9.5 TO 9.6						
9.6 TO 9.7							9.6 TO 9.7							9.6 TO 9.7						
9.7 TO 9.8							9.7 TO 9.8							9.7 TO 9.8						
9.8 TO 9.9							9.8 TO 9.9							9.8 TO 9.9						

Table 59
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA N2	THAN	150	200	250	300	350	DELTA N2	DELTA N2	THAN	150	200	250	300	350	DELTA N2
DELTA N2	150	200	250	300	350	ABOVE	DELTA N2	DELTA N2	150	200	250	300	350	ABOVE	DELTA N2
ABOVE 1.0							ABOVE 1.0								
1.4 TO 1.0							1.4 TO 1.0								
1.0 TO 1.4							1.0 TO 1.4								
0.8 TO 1.0							0.8 TO 1.0								
0.6 TO 0.8							0.6 TO 0.8								
0.5 TO 0.6							0.5 TO 0.6								
0.4 TO 0.5							0.4 TO 0.5								
0.3 TO 0.4							0.3 TO 0.4								
0.2 TO 0.3							0.2 TO 0.3								
0.1 TO 0.2							0.1 TO 0.2								
-0.2 TO -0.1							-0.2 TO -0.1								
-0.3 TO -0.2							-0.3 TO -0.2								
-0.4 TO -0.3							-0.4 TO -0.3								
-0.6 TO -0.4							-0.6 TO -0.4								
-0.8 TO -0.6							-0.8 TO -0.6								
-1.0 TO -0.8							-1.0 TO -0.8								
BELOW -1.0							BELOW -1.0								
FLT TIME (MIN)							FLT TIME (MIN)								
	1404.9	1025.0	1678.7	34.4		4223.5		100.4	319.7	555.3	0.5			1061.9	

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA N2	THAN	150	200	250	300	350	DELTA N2	DELTA N2	THAN	150	200	250	300	350	DELTA N2
DELTA N2	150	200	250	300	350	ABOVE	DELTA N2	DELTA N2	150	200	250	300	350	ABOVE	DELTA N2
ABOVE 1.0							ABOVE 1.0								
1.4 TO 1.0							1.4 TO 1.0								
1.0 TO 1.4							1.0 TO 1.4								
0.8 TO 1.0							0.8 TO 1.0								
0.6 TO 0.8							0.6 TO 0.8								
0.5 TO 0.6							0.5 TO 0.6								
0.4 TO 0.5							0.4 TO 0.5								
0.3 TO 0.4							0.3 TO 0.4								
0.2 TO 0.3							0.2 TO 0.3								
0.1 TO 0.2							0.1 TO 0.2								
-0.2 TO -0.1							-0.2 TO -0.1								
-0.3 TO -0.2							-0.3 TO -0.2								
-0.4 TO -0.3							-0.4 TO -0.3								
-0.6 TO -0.4							-0.6 TO -0.4								
-0.8 TO -0.6							-0.8 TO -0.6								
-1.0 TO -0.8							-1.0 TO -0.8								
BELOW -1.0							BELOW -1.0								
FLT TIME (MIN)							FLT TIME (MIN)								
	0.1	29.0	15.2			44.3		2.0	36.9	74.0	0.0			119.5	

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA N2	THAN	150	200	250	300	350	DELTA N2	DELTA N2	THAN	150	200	250	300	350	DELTA N2
DELTA N2	150	200	250	300	350	ABOVE	DELTA N2	DELTA N2	150	200	250	300	350	ABOVE	DELTA N2
ABOVE 1.0							ABOVE 1.0								
1.4 TO 1.0							1.4 TO 1.0								
1.0 TO 1.4							1.0 TO 1.4								
0.8 TO 1.0							0.8 TO 1.0								
0.6 TO 0.8							0.6 TO 0.8								
0.5 TO 0.6							0.5 TO 0.6								
0.4 TO 0.5							0.4 TO 0.5								
0.3 TO 0.4							0.3 TO 0.4								
0.2 TO 0.3							0.2 TO 0.3								
0.1 TO 0.2							0.1 TO 0.2								
-0.2 TO -0.1							-0.2 TO -0.1								
-0.3 TO -0.2							-0.3 TO -0.2								
-0.4 TO -0.3							-0.4 TO -0.3								
-0.6 TO -0.4							-0.6 TO -0.4								
-0.8 TO -0.6							-0.8 TO -0.6								
-1.0 TO -0.8							-1.0 TO -0.8								
BELOW -1.0							BELOW -1.0								
FLT TIME (MIN)							FLT TIME (MIN)								
	65.9	8.0				74.0		0.7	140.1	130.6				270.9	

Altitude: 25,000 to 30,000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA N2	THAN	150	200	250	300	350	DELTA N2
DELTA N2	150	200	250	300	350	ABOVE	DELTA N2
ABOVE 1.0							
1.4 TO 1.0							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)							
	4.0	14.0				20.0	

Table 60
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)				LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)			
FACTOR	DELTA #2	LESS THAN	150	200	250	300	350	FACTOR	DELTA #2	LESS THAN	150	200	250	300	350
DELTA #2		150	200	250	300	350	AND ABOVE	DELTA #2		150	200	250	300	350	AND ABOVE
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8				3	1			0.6 TO 0.8							
0.5 TO 0.6				12				0.5 TO 0.6				2			
0.4 TO 0.5			1	54	1			0.4 TO 0.5			3	12			
0.3 TO 0.4		1	27	251				0.3 TO 0.4		1	1	55			
0.2 TO 0.3		22	150	1035	2			0.2 TO 0.3		3	39	225			
0.1 TO 0.2		215	727	4079	20			0.1 TO 0.2		29	130	703			
-0.2 TO -0.1		206	604	4332	45			-0.2 TO -0.1		18	133	720			
-0.3 TO -0.2		10	114	1063	7			-0.3 TO -0.2		3	37	102			
-0.4 TO -0.3		2	29	335	2			-0.4 TO -0.3							
-0.6 TO -0.4			5	96				-0.6 TO -0.4			1	13			
-0.8 TO -0.6				3				-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		292.3	455.6	1265.7	21.9		2035.5	FLY TIME (MIN)		10.1	110.3	204.0			325.3

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)				LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)			
FACTOR	DELTA #2	LESS THAN	150	200	250	300	350	FACTOR	DELTA #2	LESS THAN	150	200	250	300	350
DELTA #2		150	200	250	300	350	AND ABOVE	DELTA #2		150	200	250	300	350	AND ABOVE
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3			1					0.2 TO 0.3							
0.1 TO 0.2			2					0.1 TO 0.2			1				
-0.2 TO -0.1			3					-0.2 TO -0.1			7				
-0.3 TO -0.2			1					-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		0.0	30.0	3.7			39.3	FLY TIME (MIN)		2.0	70.0	15.6	2.0		95.4

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)				LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)			
FACTOR	DELTA #2	LESS THAN	150	200	250	300	350	FACTOR	DELTA #2	LESS THAN	150	200	250	300	350
DELTA #2		150	200	250	300	350	AND ABOVE	DELTA #2		150	200	250	300	350	AND ABOVE
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2			5					0.1 TO 0.2							
-0.2 TO -0.1			20	1				-0.2 TO -0.1							
-0.3 TO -0.2			1					-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		00.0	0.7				05.5	FLY TIME (MIN)		0.7	20.0	29.1			49.6

Table 61
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS DELTA WZ	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR	LESS DELTA WZ	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA WZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4				4			4	0.3 TO 0.4							
0.2 TO 0.3			21	154			175	0.2 TO 0.3							
0.1 TO 0.2		2	110	611			723	0.1 TO 0.2		1					
-0.2 TO -0.1	1		122	567			690	-0.2 TO -0.1							
-0.3 TO -0.2			25	117			142	-0.3 TO -0.2							
-0.4 TO -0.3				17			17	-0.4 TO -0.3							
-0.5 TO -0.4			1	3			4	-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-1.0 TO -0.6								-1.0 TO -0.6							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	30.2	30.2	110.0				200.4	FLT TIME (MIN)	4.5	10.2					14.7

Table 62

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: Below 75,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ
ABOVE 1.0							ABOVE 1.0								ABOVE 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
0.8 TO 1.0							0.8 TO 1.0								0.8 TO 1.0
0.6 TO 1.0							0.6 TO 1.0								0.6 TO 1.0
0.5 TO 0.6							0.5 TO 0.6								0.5 TO 0.6
0.4 TO 0.5							0.4 TO 0.5								0.4 TO 0.5
0.3 TO 0.4							0.3 TO 0.4								0.3 TO 0.4
0.2 TO 0.3							0.2 TO 0.3								0.2 TO 0.3
0.1 TO 0.2							0.1 TO 0.2								0.1 TO 0.2
-0.2 TO -0.1							-0.2 TO -0.1								-0.2 TO -0.1
-0.3 TO -0.2							-0.3 TO -0.2								-0.3 TO -0.2
-0.4 TO -0.3							-0.4 TO -0.3								-0.4 TO -0.3
-0.5 TO -0.4							-0.5 TO -0.4								-0.5 TO -0.4
-0.6 TO -0.5							-0.6 TO -0.5								-0.6 TO -0.5
-0.7 TO -0.6							-0.7 TO -0.6								-0.7 TO -0.6
-0.8 TO -0.7							-0.8 TO -0.7								-0.8 TO -0.7
-0.9 TO -0.8							-0.9 TO -0.8								-0.9 TO -0.8
-1.0 TO -0.9							-1.0 TO -0.9								-1.0 TO -0.9
FLY TIME (MIN)	11.9	1.3	3.4			102.2	FLY TIME (MIN)	25.2	13.7	21.2	5.9			66.8	FLY TIME (MIN)
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ
ABOVE 1.0							ABOVE 1.0								ABOVE 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
0.8 TO 1.0							0.8 TO 1.0								0.8 TO 1.0
0.6 TO 1.0							0.6 TO 1.0								0.6 TO 1.0
0.5 TO 0.6							0.5 TO 0.6								0.5 TO 0.6
0.4 TO 0.5							0.4 TO 0.5								0.4 TO 0.5
0.3 TO 0.4							0.3 TO 0.4								0.3 TO 0.4
0.2 TO 0.3							0.2 TO 0.3								0.2 TO 0.3
0.1 TO 0.2							0.1 TO 0.2								0.1 TO 0.2
-0.2 TO -0.1							-0.2 TO -0.1								-0.2 TO -0.1
-0.3 TO -0.2							-0.3 TO -0.2								-0.3 TO -0.2
-0.4 TO -0.3							-0.4 TO -0.3								-0.4 TO -0.3
-0.5 TO -0.4							-0.5 TO -0.4								-0.5 TO -0.4
-0.6 TO -0.5							-0.6 TO -0.5								-0.6 TO -0.5
-0.7 TO -0.6							-0.7 TO -0.6								-0.7 TO -0.6
-0.8 TO -0.7							-0.8 TO -0.7								-0.8 TO -0.7
-0.9 TO -0.8							-0.9 TO -0.8								-0.9 TO -0.8
-1.0 TO -0.9							-1.0 TO -0.9								-1.0 TO -0.9
FLY TIME (MIN)	2.5	18.4	9.9			19.8	FLY TIME (MIN)	5.6	9.9					16.5	FLY TIME (MIN)
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ
ABOVE 1.0							ABOVE 1.0								ABOVE 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
0.8 TO 1.0							0.8 TO 1.0								0.8 TO 1.0
0.6 TO 1.0							0.6 TO 1.0								0.6 TO 1.0
0.5 TO 0.6							0.5 TO 0.6								0.5 TO 0.6
0.4 TO 0.5							0.4 TO 0.5								0.4 TO 0.5
0.3 TO 0.4							0.3 TO 0.4								0.3 TO 0.4
0.2 TO 0.3							0.2 TO 0.3								0.2 TO 0.3
0.1 TO 0.2							0.1 TO 0.2								0.1 TO 0.2
-0.2 TO -0.1							-0.2 TO -0.1								-0.2 TO -0.1
-0.3 TO -0.2							-0.3 TO -0.2								-0.3 TO -0.2
-0.4 TO -0.3							-0.4 TO -0.3								-0.4 TO -0.3
-0.5 TO -0.4							-0.5 TO -0.4								-0.5 TO -0.4
-0.6 TO -0.5							-0.6 TO -0.5								-0.6 TO -0.5
-0.7 TO -0.6							-0.7 TO -0.6								-0.7 TO -0.6
-0.8 TO -0.7							-0.8 TO -0.7								-0.8 TO -0.7
-0.9 TO -0.8							-0.9 TO -0.8								-0.9 TO -0.8
-1.0 TO -0.9							-1.0 TO -0.9								-1.0 TO -0.9
FLY TIME (MIN)	11.0	41.2				52.2	FLY TIME (MIN)	2.0	2.7					4.7	FLY TIME (MIN)
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA WZ	LOAD FACTOR DELTA WZ
ABOVE 1.0							ABOVE 1.0								ABOVE 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
1.0 TO 1.0							1.0 TO 1.0								1.0 TO 1.0
0.8 TO 1.0							0.8 TO 1.0								0.8 TO 1.0
0.6 TO 1.0							0.6 TO 1.0								0.6 TO 1.0
0.5 TO 0.6							0.5 TO 0.6								0.5 TO 0.6
0.4 TO 0.5							0.4 TO 0.5								0.4 TO 0.5
0.3 TO 0.4							0.3 TO 0.4								0.3 TO 0.4
0.2 TO 0.3							0.2 TO 0.3								0.2 TO 0.3
0.1 TO 0.2							0.1 TO 0.2								0.1 TO 0.2
-0.2 TO -0.1							-0.2 TO -0.1								-0.2 TO -0.1
-0.3 TO -0.2							-0.3 TO -0.2								-0.3 TO -0.2
-0.4 TO -0.3							-0.4 TO -0.3								-0.4 TO -0.3
-0.5 TO -0.4							-0.5 TO -0.4								-0.5 TO -0.4
-0.6 TO -0.5							-0.6 TO -0.5								-0.6 TO -0.5
-0.7 TO -0.6							-0.7 TO -0.6								-0.7 TO -0.6
-0.8 TO -0.7							-0.8 TO -0.7								-0.8 TO -0.7
-0.9 TO -0.8							-0.9 TO -0.8								-0.9 TO -0.8
-1.0 TO -0.9							-1.0 TO -0.9								-1.0 TO -0.9
FLY TIME (MIN)	0.3	2.0				10.0	FLY TIME (MIN)								FLY TIME (MIN)

Table 63
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)								FLT TIME (MIN)							
	1235.2	809.6	266.8	0.1			2371.7		295.1	494.0	303.6	12.1			1104.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)								FLT TIME (MIN)							
	7.9	155.4	930.1	23.0			723.2		5.2	145.5	357.6	7.3			515.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)								FLT TIME (MIN)							
	0.7	310.6	641.8	3.5			954.3		14.5	1973.0	979.0	1.4			2967.9
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	DELTA N2	LESS THAN	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)								FLT TIME (MIN)							
	7.2	1451.5	249.7				1700.4		329.0	124.0					453.0

Table 64
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 85, 000 to 95, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	1466.0	1309.2	792.6	17.4			3585.1	FLT TIME (MIN)	503.3	1294.9	1013.4	12.7			2024.3
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	36.1	788.3	969.5	37.0			1799.9	FLT TIME (MIN)	17.6	712.7	976.6	17.5			1722.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	64.1	1448.2	1849.0	5.5			3366.7	FLT TIME (MIN)	173.0	6766.4	4415.2	1.0			11295.6
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	11.4	677.5	1749.4				7190.5	FLT TIME (MIN)	62.8	427.5	37.2				1007.5

Table 65
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
EQUIVALENT AIRSPEED - VE (KNOTS)							EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	652.7	570.6	336.1	1.9		1561.3		233.4	796.9	364.1	3.1		1397.5
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
EQUIVALENT AIRSPEED - VE (KNOTS)							EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	27.8	953.8	432.1	17.7		1431.4		30.1	1013.5	602.9	26.5		1753.0
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
EQUIVALENT AIRSPEED - VE (KNOTS)							EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	66.6	1340.9	1517.9	12.8		2938.2		173.3	6775.3	3660.5	2.9		10811.0
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 feet and Above						
EQUIVALENT AIRSPEED - VE (KNOTS)							EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	119.8	6497.8	1246.4			7964.9		40.5	614.5	6.6			661.6

Table 66
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8			1				0.6 TO 0.8						
0.5 TO 0.6		2					0.5 TO 0.6			3			
0.4 TO 0.5	2	5					0.4 TO 0.5			1			
0.3 TO 0.4		16	9				0.3 TO 0.4	1	5	10			
0.2 TO 0.3	51	77	104	2			0.2 TO 0.3	2	14	24			
0.1 TO 0.2	234	324	457	10			0.1 TO 0.2	165	90	77			
-0.2 TO -0.1	139	295	747	4			-0.2 TO -0.1	144	352	306	4		
-0.3 TO -0.2	19	54	99	2			-0.3 TO -0.2	10	69	62			
-0.4 TO -0.3	2	4	8				-0.4 TO -0.3	2	14	13			
-0.5 TO -0.4		2	1				-0.5 TO -0.4		5	12			
-0.6 TO -0.5							-0.6 TO -0.5						
-0.7 TO -0.6							-0.7 TO -0.6						
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	272.1	143.5	166.1	3.8		552.5	FLT TIME (MIN)	80.9	360.5	108.8	4.3		554.3
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5		1	2				0.4 TO 0.5						
0.3 TO 0.4		4	4	2			0.3 TO 0.4						
0.2 TO 0.3	1	15	23	1			0.2 TO 0.3	15	7	1			
0.1 TO 0.2	4	117	153	9			0.1 TO 0.2	74	121	5			
-0.2 TO -0.1	6	138	139	11			-0.2 TO -0.1	72	144	4			
-0.3 TO -0.2	1	14	22	1			-0.3 TO -0.2	14	6	3			
-0.4 TO -0.3		2	4	1			-0.4 TO -0.3	4	1				
-0.5 TO -0.4			2				-0.5 TO -0.4						
-0.6 TO -0.5							-0.6 TO -0.5						
-0.7 TO -0.6							-0.7 TO -0.6						
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	15.5	556.7	273.9	14.4		990.5	FLT TIME (MIN)	5.3	667.5	547.0	4.9		1224.6
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8		1					0.6 TO 0.8			2			
0.5 TO 0.6		1					0.5 TO 0.6		1	5			
0.4 TO 0.5		3					0.4 TO 0.5		2	2			
0.3 TO 0.4		12					0.3 TO 0.4		33	10			
0.2 TO 0.3		26	4				0.2 TO 0.3	21	159	22			
0.1 TO 0.2		119	33				0.1 TO 0.2	132	1455	213			
-0.2 TO -0.1		124	22				-0.2 TO -0.1	105	1224	209			
-0.3 TO -0.2		29	1				-0.3 TO -0.2	17	157	20			
-0.4 TO -0.3		10					-0.4 TO -0.3	7	23	5			
-0.5 TO -0.4		6					-0.5 TO -0.4	3	6	6			
-0.6 TO -0.5							-0.6 TO -0.5	4	3	2			
-0.7 TO -0.6							-0.7 TO -0.6			1			
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	54.7	1145.6	793.9	3.8		1746.9	FLT TIME (MIN)	132.2	5466.6	1991.3	0.2		8499.3
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 feet and Above						
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5		4	1				0.4 TO 0.5						
0.3 TO 0.4		14	2				0.3 TO 0.4						
0.2 TO 0.3		70	2				0.2 TO 0.3		7				
0.1 TO 0.2		497	42				0.1 TO 0.2		39				
-0.2 TO -0.1		445	32				-0.2 TO -0.1		24				
-0.3 TO -0.2		45	5				-0.3 TO -0.2		2				
-0.4 TO -0.3		17					-0.4 TO -0.3						
-0.5 TO -0.4		4	2				-0.5 TO -0.4						
-0.6 TO -0.5							-0.6 TO -0.5						
-0.7 TO -0.6							-0.7 TO -0.6						
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	26.8	4079.6	129.6			4236.0	FLT TIME (MIN)	4.0	125.6	17.0			146.6

Table 67

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115,000 to 125,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	113.7	104.8	115.2				393.7	FLT TIME (MIN)	19.3	302.2	90.0	0.7			412.2
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	0.0	517.9	153.0	23.7			703.4	FLT TIME (MIN)	10.5	540.9	90.7	6.4			649.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	20.0	694.0	234.1				914.9	FLT TIME (MIN)	67.2	2250.5	357.1				2600.0
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	18.0	911.1	22.0				951.1	FLT TIME (MIN)							

Table 68

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 125,000 lb. and Above**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	1.0	0.4					2.2	FLY TIME (MIN)	7.5	0.2	9.5				25.2
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	4.7	0.9					5.6	FLY TIME (MIN)	5.3						5.3
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	0.0						0.0	FLY TIME (MIN)	10.0						10.0
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	10.0						10.0	FLY TIME (MIN)							

Table 69
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: Below 75,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8			2				2	0.6 TO 0.8							
0.5 TO 0.6			1				1	0.5 TO 0.6							
0.4 TO 0.5			8	4			12	0.4 TO 0.5							
0.3 TO 0.4		11	19	1			31	0.3 TO 0.4							
0.2 TO 0.3		63	51	3			117	0.2 TO 0.3							
0.1 TO 0.2		312	142	10			464	0.1 TO 0.2							
-0.2 TO -0.1	296	133	12				441	-0.2 TO -0.1	56	40	6				102
-0.3 TO -0.2	44	36	2				82	-0.3 TO -0.2	3	6					9
-0.4 TO -0.3	8						15	-0.4 TO -0.3		1					1
-0.6 TO -0.4	1						5	-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	109.4	60.9	1.5				171.8	FLT TIME (MIN)	29.0	37.0	11.5				77.4
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4			1				1	0.3 TO 0.4				1			1
0.2 TO 0.3			2				2	0.2 TO 0.3				1			1
0.1 TO 0.2			11	1			12	0.1 TO 0.2				6			6
-0.2 TO -0.1			12	1			13	-0.2 TO -0.1				10			10
-0.3 TO -0.2			1				1	-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3				2			2
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	0.9	10.6	0.4				11.9	FLT TIME (MIN)	0.7	7.8					8.5
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	0.8	10.3	0.5				11.5	FLT TIME (MIN)	09.4	12.9					22.3
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	0.3						0.3	FLT TIME (MIN)	0.8						0.8

Table 70
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)							FLY TIME (MIN)						
	1449.7	987.2	390.6	4.0		2040.2		662.2	925.1	568.6	1.0		2156.9
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	14.9	222.1	207.1	2.0		446.1		9.1	117.7	145.9	2.4		275.2
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	12.9	270.0	154.4	1.5		438.8		37.2	1230.6	434.8			1672.5
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 feet and Above						
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	7.9	526.1	130.1			672.1		24.0	214.0				238.0

Table 71
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 5000 feet									
LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ	
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150
ABOVE 1.0						ABOVE 1.0						ABOVE 1.0						ABOVE 1.0	
1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0	
1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4	
0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0	
0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8	
0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6	
0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5	
0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4	
0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3	
0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2	
-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1	
-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2	
-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3	
-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4	
-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6	
-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8	
DELTA -1.0						DELTA -1.0						DELTA -1.0						DELTA -1.0	
FLY TIME (min)	2262.2	1799.4	1942.9	6.9		FLY TIME (min)	1235.1	1070.0	1540.4	45.7		FLY TIME (min)	4627.1					FLY TIME (min)	
Altitude: 5000 to 10,000 feet										Altitude: 10,000 to 15,000 feet									
LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ	
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150
ABOVE 1.0						ABOVE 1.0						ABOVE 1.0						ABOVE 1.0	
1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0	
1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4	
0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0	
0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8	
0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6	
0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5	
0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4	
0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3	
0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2	
-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1	
-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2	
-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3	
-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4	
-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6	
-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8	
DELTA -1.0						DELTA -1.0						DELTA -1.0						DELTA -1.0	
FLY TIME (min)	220.2	905.9	737.0	0.7		FLY TIME (min)	46.0	552.9	633.0	0.0		FLY TIME (min)	1532.0					FLY TIME (min)	
Altitude: 15,000 to 20,000 feet										Altitude: 20,000 to 25,000 feet									
LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ	
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150
ABOVE 1.0						ABOVE 1.0						ABOVE 1.0						ABOVE 1.0	
1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0	
1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4	
0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0	
0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8	
0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6	
0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5	
0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4	
0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3	
0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2	
-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1	
-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2	
-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3	
-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4	
-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6	
-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8	
DELTA -1.0						DELTA -1.0						DELTA -1.0						DELTA -1.0	
FLY TIME (min)	70.3	1110.9	410.0	2.7		FLY TIME (min)	74.1	3575.0	1147.0	7.0		FLY TIME (min)	6707.7					FLY TIME (min)	
Altitude: 25,000 to 30,000 feet										Altitude: 30,000 feet and Above									
LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ		LOAD FACTOR DELTA WZ	
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150	150
ABOVE 1.0						ABOVE 1.0						ABOVE 1.0						ABOVE 1.0	
1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0						1.4 TO 1.0	
1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4						1.0 TO 1.4	
0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0						0.8 TO 1.0	
0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8						0.6 TO 0.8	
0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6						0.5 TO 0.6	
0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5						0.4 TO 0.5	
0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4						0.3 TO 0.4	
0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3						0.2 TO 0.3	
0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2						0.1 TO 0.2	
-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1						-0.2 TO -0.1	
-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2						-0.3 TO -0.2	
-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3						-0.4 TO -0.3	
-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4						-0.6 TO -0.4	
-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6						-0.8 TO -0.6	
-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8						-1.0 TO -0.8	
DELTA -1.0						DELTA -1.0						DELTA -1.0						DELTA -1.0	
FLY TIME (min)	30.2	1122.1	51.2			FLY TIME (min)	250.0	300.9	50.0			FLY TIME (min)	613.0					FLY TIME (min)	

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 95,000 to 105,000 lb.**

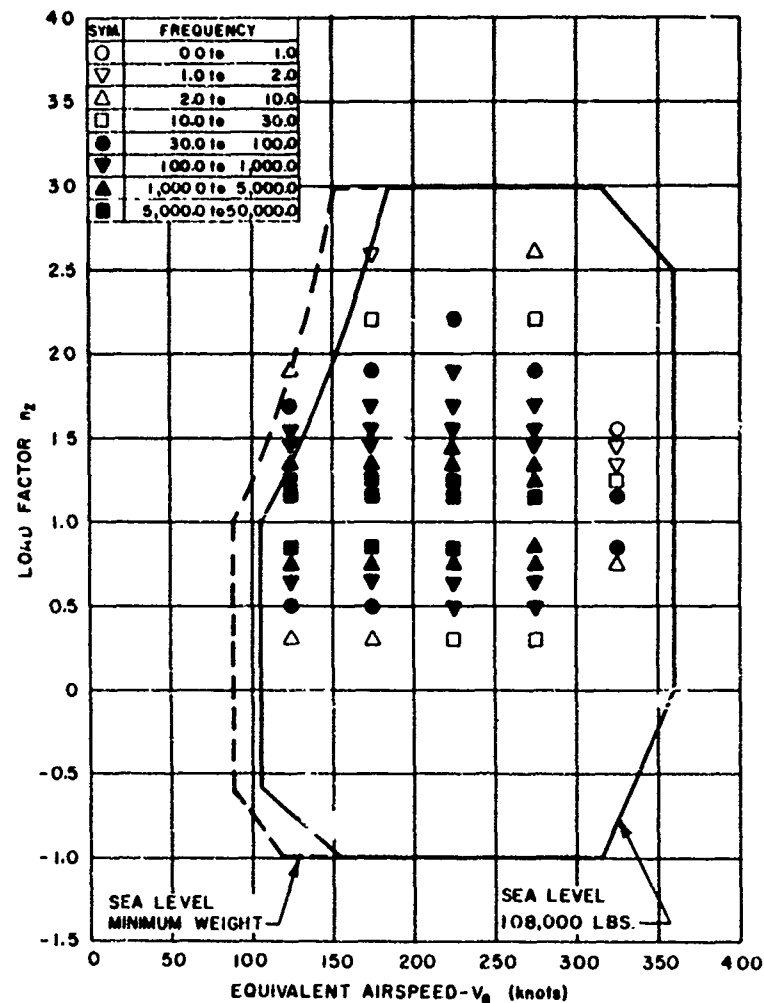
Altitude: 10,000 to 12,000 feet								Altitude: 12,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL						EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL					
LOAD FACTOR	LESS THAN	150	200	250	300	350	DELTA	LOAD FACTOR	LESS THAN	150	200	250	300	350	DELTA
DELTA	150	200	250	300	350	ABOVE	DELTA	DELTA	150	200	250	300	350	ABOVE	DELTA
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.1								1.0 TO 1.1							
1.1 TO 1.2								1.1 TO 1.2							
1.2 TO 1.3								1.2 TO 1.3							
1.3 TO 1.4								1.3 TO 1.4							
1.4 TO 1.5								1.4 TO 1.5							
1.5 TO 1.6								1.5 TO 1.6							
1.6 TO 1.7								1.6 TO 1.7							
1.7 TO 1.8								1.7 TO 1.8							
1.8 TO 1.9								1.8 TO 1.9							
1.9 TO 2.0								1.9 TO 2.0							
2.0 TO 2.1								2.0 TO 2.1							
2.1 TO 2.2								2.1 TO 2.2							
2.2 TO 2.3								2.2 TO 2.3							
2.3 TO 2.4								2.3 TO 2.4							
2.4 TO 2.5								2.4 TO 2.5							
2.5 TO 2.6								2.5 TO 2.6							
2.6 TO 2.7								2.6 TO 2.7							
2.7 TO 2.8								2.7 TO 2.8							
2.8 TO 2.9								2.8 TO 2.9							
2.9 TO 3.0								2.9 TO 3.0							
3.0 TO 3.1								3.0 TO 3.1							
3.1 TO 3.2								3.1 TO 3.2							
3.2 TO 3.3								3.2 TO 3.3							
3.3 TO 3.4								3.3 TO 3.4							
3.4 TO 3.5								3.4 TO 3.5							
3.5 TO 3.6								3.5 TO 3.6							
3.6 TO 3.7								3.6 TO 3.7							
3.7 TO 3.8								3.7 TO 3.8							
3.8 TO 3.9								3.8 TO 3.9							
3.9 TO 4.0								3.9 TO 4.0							
4.0 TO 4.1								4.0 TO 4.1							
4.1 TO 4.2								4.1 TO 4.2							
4.2 TO 4.3								4.2 TO 4.3							
4.3 TO 4.4								4.3 TO 4.4							
4.4 TO 4.5								4.4 TO 4.5							
4.5 TO 4.6								4.5 TO 4.6							
4.6 TO 4.7								4.6 TO 4.7							
4.7 TO 4.8								4.7 TO 4.8							
4.8 TO 4.9								4.8 TO 4.9							
4.9 TO 5.0								4.9 TO 5.0							
5.0 TO 5.1								5.0 TO 5.1							
5.1 TO 5.2								5.1 TO 5.2							
5.2 TO 5.3								5.2 TO 5.3							
5.3 TO 5.4								5.3 TO 5.4							
5.4 TO 5.5								5.4 TO 5.5							
5.5 TO 5.6								5.5 TO 5.6							
5.6 TO 5.7								5.6 TO 5.7							
5.7 TO 5.8								5.7 TO 5.8							
5.8 TO 5.9								5.8 TO 5.9							
5.9 TO 6.0								5.9 TO 6.0							
6.0 TO 6.1								6.0 TO 6.1							
6.1 TO 6.2								6.1 TO 6.2							
6.2 TO 6.3								6.2 TO 6.3							
6.3 TO 6.4								6.3 TO 6.4							
6.4 TO 6.5								6.4 TO 6.5							
6.5 TO 6.6								6.5 TO 6.6							
6.6 TO 6.7								6.6 TO 6.7							
6.7 TO 6.8								6.7 TO 6.8							
6.8 TO 6.9								6.8 TO 6.9							
6.9 TO 7.0								6.							

Table 73
C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
1.8 TO 2.2								1.8 TO 2.2							
2.2 TO 2.6								2.2 TO 2.6							
2.6 TO 3.0								2.6 TO 3.0							
3.0 TO 3.4								3.0 TO 3.4							
3.4 TO 3.8								3.4 TO 3.8							
3.8 TO 4.2								3.8 TO 4.2							
4.2 TO 4.6								4.2 TO 4.6							
4.6 TO 5.0								4.6 TO 5.0							
5.0 TO 5.4								5.0 TO 5.4							
5.4 TO 5.8								5.4 TO 5.8							
5.8 TO 6.2								5.8 TO 6.2							
6.2 TO 6.6								6.2 TO 6.6							
6.6 TO 7.0								6.6 TO 7.0							
7.0 TO 7.4								7.0 TO 7.4							
7.4 TO 7.8								7.4 TO 7.8							
7.8 TO 8.2								7.8 TO 8.2							
8.2 TO 8.6								8.2 TO 8.6							
8.6 TO 9.0								8.6 TO 9.0							
9.0 TO 9.4								9.0 TO 9.4							
9.4 TO 9.8								9.4 TO 9.8							
9.8 TO 10.2								9.8 TO 10.2							
10.2 TO 10.6								10.2 TO 10.6							
10.6 TO 11.0								10.6 TO 11.0							
11.0 TO 11.4								11.0 TO 11.4							
11.4 TO 11.8								11.4 TO 11.8							
11.8 TO 12.2								11.8 TO 12.2							
12.2 TO 12.6								12.2 TO 12.6							
12.6 TO 13.0								12.6 TO 13.0							
13.0 TO 13.4								13.0 TO 13.4							
13.4 TO 13.8								13.4 TO 13.8							
13.8 TO 14.2								13.8 TO 14.2							
14.2 TO 14.6								14.2 TO 14.6							
14.6 TO 15.0								14.6 TO 15.0							
15.0 TO 15.4								15.0 TO 15.4							
15.4 TO 15.8								15.4 TO 15.8							
15.8 TO 16.2								15.8 TO 16.2							
16.2 TO 16.6								16.2 TO 16.6							
16.6 TO 17.0								16.6 TO 17.0							
17.0 TO 17.4								17.0 TO 17.4							
17.4 TO 17.8								17.4 TO 17.8							
17.8 TO 18.2								17.8 TO 18.2							
18.2 TO 18.6								18.2 TO 18.6							
18.6 TO 19.0								18.6 TO 19.0							
19.0 TO 19.4								19.0 TO 19.4							
19.4 TO 19.8								19.4 TO 19.8							
19.8 TO 20.2								19.8 TO 20.2							
20.2 TO 20.6								20.2 TO 20.6							
20.6 TO 21.0								20.6 TO 21.0							
21.0 TO 21.4								21.0 TO 21.4							
21.4 TO 21.8								21.4 TO 21.8							
21.8 TO 22.2								21.8 TO 22.2							
22.2 TO 22.6								22.2 TO 22.6							
22.6 TO 23.0								22.6 TO 23.0							
23.0 TO 23.4								23.0 TO 23.4							
23.4 TO 23.8								23.4 TO 23.8							
23.8 TO 24.2								23.8 TO 24.2							
24.2 TO 24.6								24.2 TO 24.6							
24.6 TO 25.0								24.6 TO 25.0							
25.0 TO 25.4								25.0 TO 25.4							
25.4 TO 25.8								25.4 TO 25.8							
25.8 TO 26.2								25.8 TO 26.2							
26.2 TO 26.6								26.2 TO 26.6							
26.6 TO 27.0								26.6 TO 27.0							
27.0 TO 27.4								27.0 TO 27.4							
27.4 TO 27.8								27.4 TO 27.8							
27.8 TO 28.2								27.8 TO 28.2							
28.2 TO 28.6								28.2 TO 28.6							
28.6 TO 29.0								28.6 TO 29.0							
29.0 TO 29.4								29.0 TO 29.4							
29.4 TO 29.8								29.4 TO 29.8							
29.8 TO 30.2								29.8 TO 30.2							
30.2 TO 30.6								30.2 TO 30.6							
30.6 TO 31.0								30.6 TO 31.0							
31.0 TO 31.4								31.0 TO 31.4							
31.4 TO 31.8								31.4 TO 31.8							
31.8 TO 32.2								31.8 TO 32.2							
32.2 TO 32.6								32.2 TO 32.6							
32.6 TO 33.0								32.6 TO 33.0							
33.0 TO 33.4								33.0 TO 33.4							
33.4 TO 33.8								33.4 TO 33.8							
33.8 TO 34.2								33.8 TO 34.2							
34.2 TO 34.6								34.2 TO 34.6							
34.6 TO 35.0								34.6 TO 35.0							
35.0 TO 35.4								35.0 TO 35.4							
35.4 TO 35.8								35.4 TO 35.8							
35.8 TO 36.2								35.8 TO 36.2							
36.2 TO 36.6								36.2 TO 36.6							
36.6 TO 37.0								36.6 TO 37.0							
37.0 TO 37.4								37.0 TO 37.4							
37.4 TO 37.8								37.4 TO 37.8							
37.8 TO 38.2								37.8 TO 38.2							
38.2 TO 38.6								38.2 TO 38.6							
38.6 TO 39.0								38.6 TO 39.0							
39.0 TO 39.4								39.0 TO 39.4							
39.4 TO 39.8								39.4 TO 39.8							
39.8 TO 40.2								39.8 TO 40.2							
40.2 TO 40.6								40.2 TO 40.6							
40.6 TO 41.0								40.6 TO 41.0							
41.0 TO 41.4								41.0 TO 41.4							
41.4 TO 41.8								41.4 TO 41.8							
41.8 TO 42.2								41.8 TO 42.2							
42.2 TO 42.6								42.2 TO 42.6							
42.6 TO 43.0								42.6 TO 43.0							
43.0 TO 43.4								43.0 TO 43.4							
43.4 TO 43.8															

**C-130A — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115,000 to 125,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 4000 feet							
EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL DELTA NZ	EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL DELTA NZ
LOAD FACTOR DELTA NZ	LESS T-46 150	150 70	200 70	250 70	300 70	350 70 AND ABOVE		LOAD FACTOR DELTA NZ	LESS T-46 150	150 70	200 70	250 70	300 70	350 70 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.9								1.0 TO 1.9							
2.0 TO 2.9								2.0 TO 2.9							
3.0 TO 3.9								3.0 TO 3.9							
4.0 TO 4.9								4.0 TO 4.9							
5.0 TO 5.9								5.0 TO 5.9							
6.0 TO 6.9								6.0 TO 6.9							
7.0 TO 7.9								7.0 TO 7.9							
8.0 TO 8.9								8.0 TO 8.9							
9.0 TO 9.9								9.0 TO 9.9							
10.0 TO 10.9								10.0 TO 10.9							
11.0 TO 11.9								11.0 TO 11.9							
12.0 TO 12.9								12.0 TO 12.9							
13.0 TO 13.9								13.0 TO 13.9							
14.0 TO 14.9								14.0 TO 14.9							
15.0 TO 15.9								15.0 TO 15.9							
16.0 TO 16.9								16.0 TO 16.9							
17.0 TO 17.9								17.0 TO 17.9							
18.0 TO 18.9								18.0 TO 18.9							
19.0 TO 19.9								19.0 TO 19.9							
20.0 TO 20.9								20.0 TO 20.9							
21.0 TO 21.9								21.0 TO 21.9							
22.0 TO 22.9								22.0 TO 22.9							
23.0 TO 23.9								23.0 TO 23.9							
24.0 TO 24.9								24.0 TO 24.9							
25.0 TO 25.9								25.0 TO 25.9							
26.0 TO 26.9								26.0 TO 26.9							
27.0 TO 27.9								27.0 TO 27.9							
28.0 TO 28.9								28.0 TO 28.9							
29.0 TO 29.9								29.0 TO 29.9							
30.0 TO 30.9								30.0 TO 30.9							
31.0 TO 31.9								31.0 TO 31.9							
32.0 TO 32.9								32.0 TO 32.9							
33.0 TO 33.9								33.0 TO 33.9							
34.0 TO 34.9								34.0 TO 34.9							
35.0 TO 35.9								35.0 TO 35.9							
36.0 TO 36.9								36.0 TO 36.9							
37.0 TO 37.9								37.0 TO 37.9							
38.0 TO 38.9								38.0 TO 38.9							
39.0 TO 39.9								39.0 TO 39.9							
40.0 TO 40.9								40.0 TO 40.9							
41.0 TO 41.9								41.0 TO 41.9							
42.0 TO 42.9								42.0 TO 42.9							
43.0 TO 43.9								43.0 TO 43.9							
44.0 TO 44.9								44.0 TO 44.9							
45.0 TO 45.9								45.0 TO 45.9							
46.0 TO 46.9								46.0 TO 46.9							
47.0 TO 47.9								47.0 TO 47.9							
48.0 TO 48.9								48.0 TO 48.9							
49.0 TO 49.9								49.0 TO 49.9							
50.0 TO 50.9								50.0 TO 50.9							
51.0 TO 51.9								51.0 TO 51.9							
52.0 TO 52.9								52.0 TO 52.9							
53.0 TO 53.9								53.0 TO 53.9							
54.0 TO 54.9								54.0 TO 54.9							
55.0 TO 55.9								55.0 TO 55.9							
56.0 TO 56.9								56.0 TO 56.9							
57.0 TO 57.9								57.0 TO 57.9							
58.0 TO 58.9															



Flight Time: 3388 3 hr.

No. of Flights: 1891

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL NO. n_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
2.8 & ABOVE							
2.4 TO 2.8		1.76		2.10			3.86
2.0 TO 2.4		15.60	45.01	14.41			75.02
1.8 TO 2.0	2.47	39.96	129.25	45.54			217.22
1.6 TO 1.8	46.19	189.60	598.97	267.76			1,102.52
1.5 TO 1.6	129.92	365.36	805.54	471.48	0.62		1,772.92
1.4 TO 1.5	517.23	926.54	1,504.31	960.77	1.29		4,210.15
1.3 TO 1.4	2,098.98	3,132.56	4,254.67	2,152.42	1.32		11,640.25
1.2 TO 1.3	8,421.52	9,444.60	9,801.44	4,683.53	10.40		32,351.49
1.1 TO 1.2	29,553.74	28,334.51	25,255.51	7,214.42	62.63		71,340.83
0.8 TO 0.9	16,319.33	16,107.66	12,710.56	4,475.24	30.65		39,612.40
0.7 TO 0.8	2,317.49	3,017.05	2,990.37	1,620.84	9.85		9,955.60
0.6 TO 0.7	250.56	484.05	950.46	481.11			2,021.19
0.4 TO 0.6	65.47	86.60	248.00	123.35			523.42
0.2 TO 0.4	3.86	8.54	16.12	10.78			39.30
0.0 TO 0.2							
BELOW 0.0							

Figure 23. C-130B — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions and Bases

Table 75

C-130B — Distribution of Incremental Gust Load Factors by
Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4		3.53	7.76	10.11			21.40
0.8 TO 1.0		14.35	56.50	93.84			164.69
0.6 TO 0.8	8.11	88.53	668.75	746.44			1,511.83
0.5 TO 0.6	37.07	265.27	1,825.79	2,134.91	1.29		4,264.33
0.4 TO 0.5	193.15	1,127.22	7,262.78	6,944.72	7.55		15,535.42
0.3 TO 0.4	1,276.97	4,636.23	25,542.23	22,444.28	32.23		53,931.94
0.2 TO 0.3	8,617.33	21,216.12	84,684.16	67,525.95	89.41		162,132.97
0.1 TO 0.2	46,497.36	83,820.63	220,335.08	156,692.04	269.14		507,614.25
-0.2 TO -0.1	43,004.74	81,736.06	214,161.21	151,250.44	258.18		490,410.63
-0.3 TO -0.2	6,382.19	18,401.24	75,070.84	51,389.02	53.26		161,796.55
-0.4 TO -0.3	784.78	3,746.33	21,779.31	19,923.40	17.62		46,251.44
-0.6 TO -0.4	105.96	1,020.94	7,368.39	7,595.93	4.02		15,005.29
-0.8 TO -0.6	2.00	46.85	542.16	595.09			1,186.10
-1.0 TO -0.8		5.29	43.77	57.46			106.52
BELOW -1.0		1.29	4.23	5.24			10.82

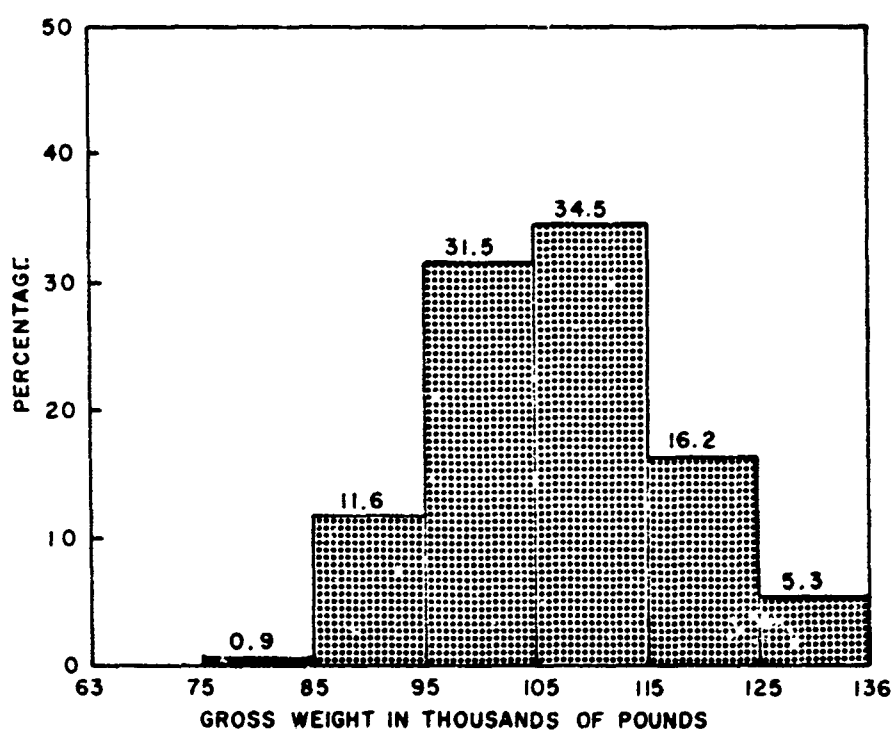


Figure 24. C-130B — Percentages of Total Flight Time Spent in Selected
Gross Weight Ranges — Composite of All Missions

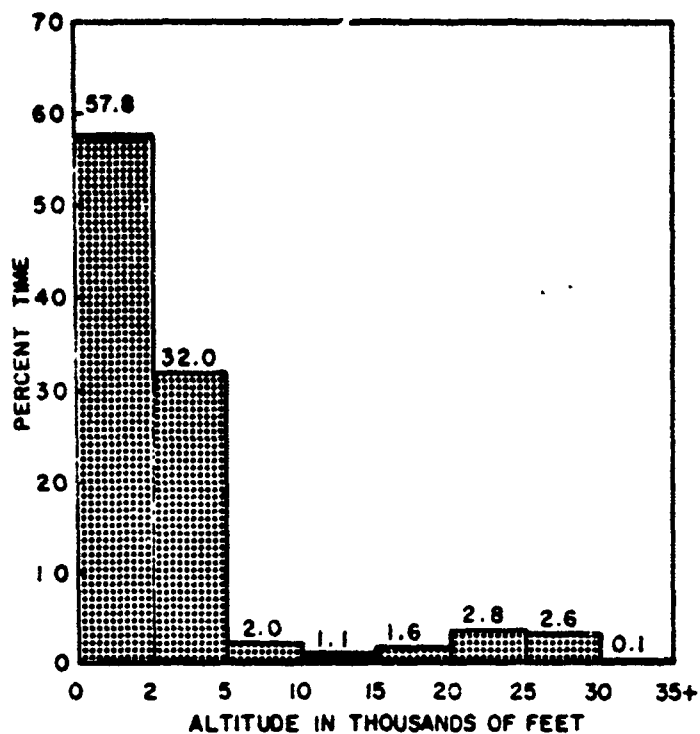


Figure 25

C-130 — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

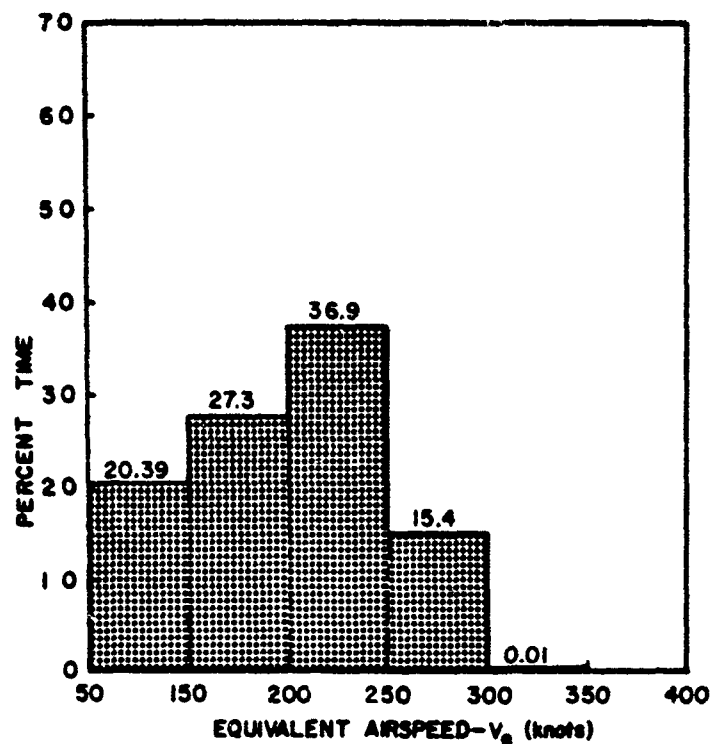


Figure 26

C-130B — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 76

C-130B — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	5.057.4	4.172.4	6.641.6	4.350.0	0.6		20.222.0
2,000- 5,000	2.034.2	4.275.6	3.948.5	954.3	1.5		11.214.0
5,000- 10,000	5.3	328.7	327.8	47.9			709.7
10,000- 15,000	8.9	160.4	178.2	45.3			392.8
15,000- 20,000	8.6	135.7	423.5	2.0			569.8
20,000- 25,000	7.7	151.9	821.7				981.2
25,000- 30,000	7.3	320.0	590.4				917.7
30,000 & ABOVE		20.7					20.7
TOTAL TIME (MIN.)	7.129.3	9.565.3	12.931.6	5.399.5	2.1		35.027.9

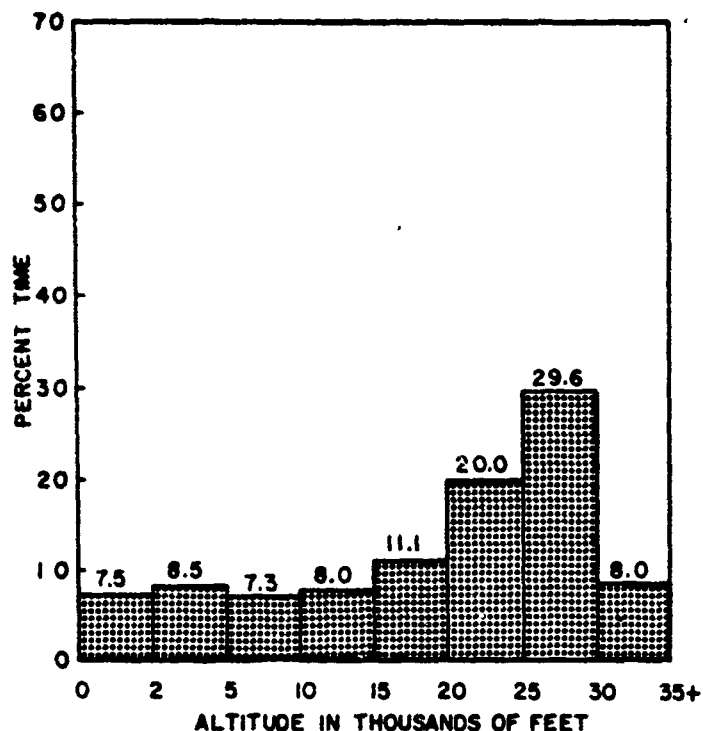


Figure 27

C-130B — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

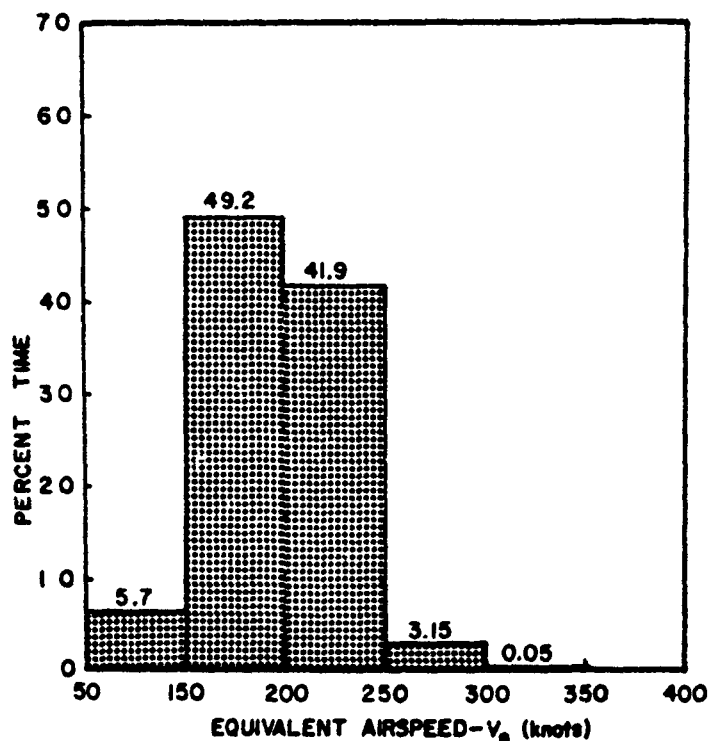


Figure 28

C-130B — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 77

C-130B — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	3.775.6	2.673.7	2.816.6	912.9	8.6		10.187.4
2,000- 5,000	2.032.0	4.706.9	3.961.0	914.1	2.4		11.616.4
5,000- 10,000	199.1	4.486.4	4.317.1	879.2	53.8		9.785.6
10,000- 15,000	113.1	4.397.8	5.412.1	874.6	9.7		10.807.3
15,000- 20,000	218.5	4.543.8	9.733.4	507.1			15.002.8
20,000- 25,000	327.3	9.382.4	17.189.2	185.6			27.084.5
25,000- 30,000	309.3	28.676.3	11.132.0	1.6			30.119.2
30,000 & ABOVE	714.1	7.932.9	2.276.1				10.923.1
TOTAL TIME (MIN.)	7.688.8	65.800.4	56.837.5	4,275.1	74.5		135,676.3

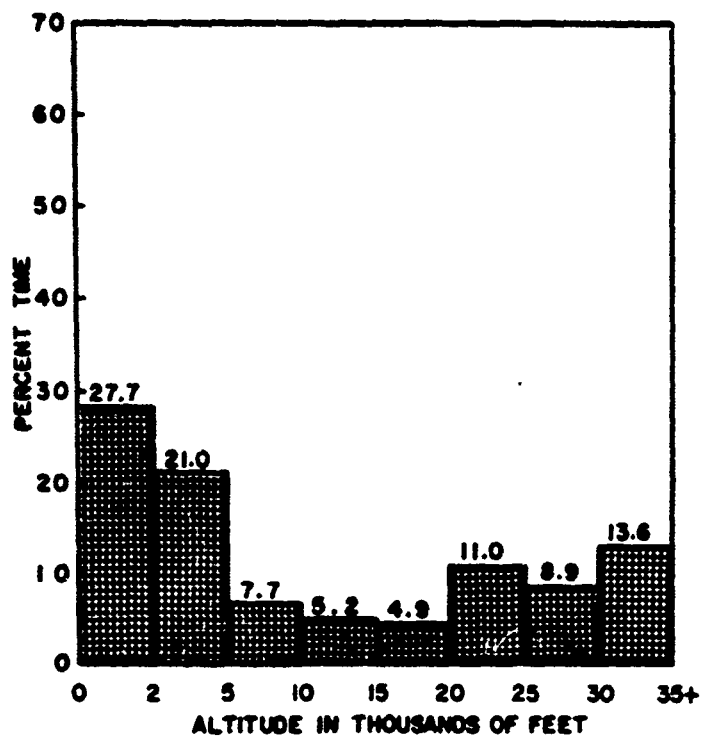


Figure 29

C-130B — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

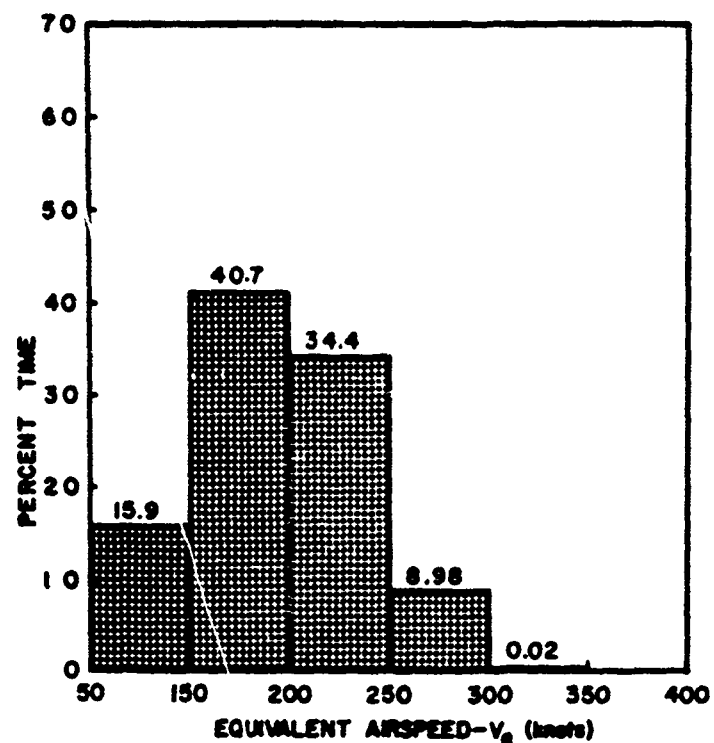


Figure 30

C-130B — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 78

C-130B — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED -V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	2,813.0	2,099.1	2,735.7	1,390.0			9,037.7
2,000- 5,000	1,260.1	2,065.4	2,720.5	792.7	4.8		6,843.4
5,000- 10,000	30.5	725.5	1,316.2	432.5	1.0		2,505.7
10,000- 15,000	26.4	689.9	782.3	202.2			1,700.7
15,000-20,000	81.9	686.6	715.4	94.2			1,578.0
20,000-25,000	99.6	1,289.9	2,196.7	7.3			3,593.5
25,000-30,000	47.6	2,266.8	592.3				2,906.7
30,000 & ABOVE	836.4	3,435.1	164.5				4,436.0
TOTAL TIME (MIN.)	5,195.4	13,258.2	11,223.5	2,918.8	5.8		32,601.8

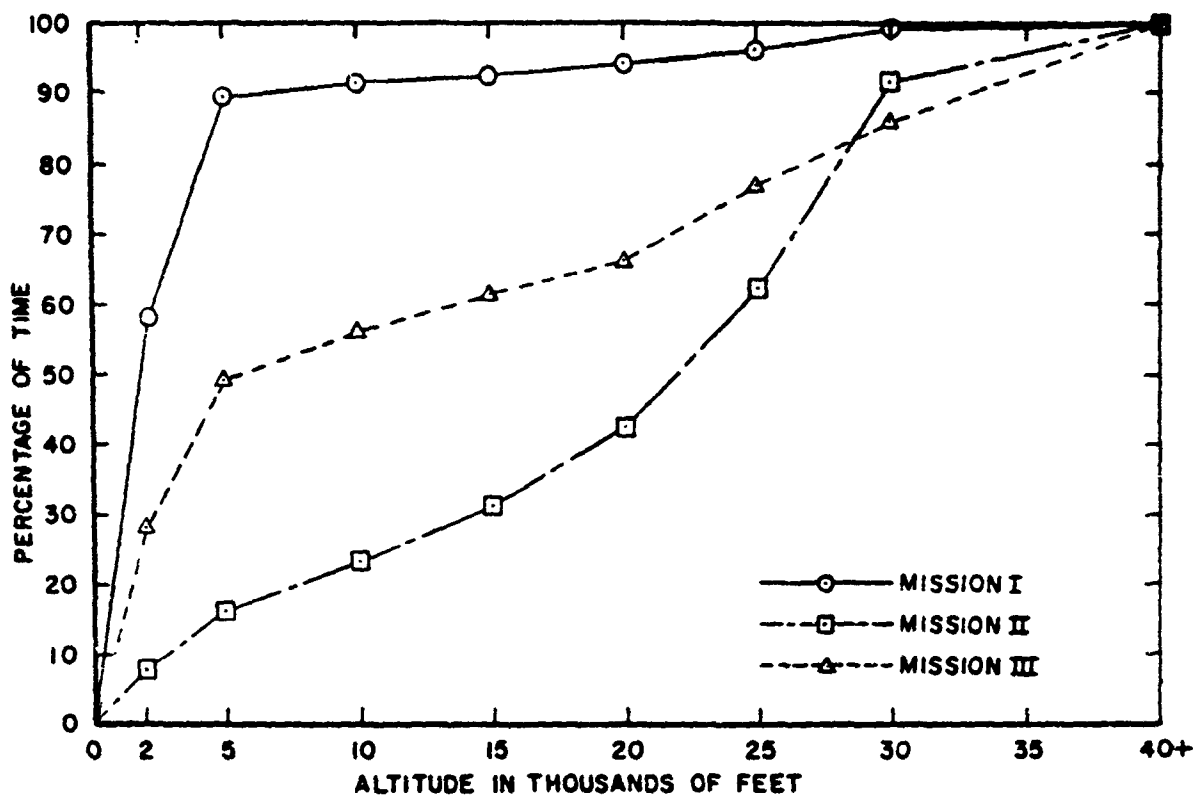


Figure 31. C-130B — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

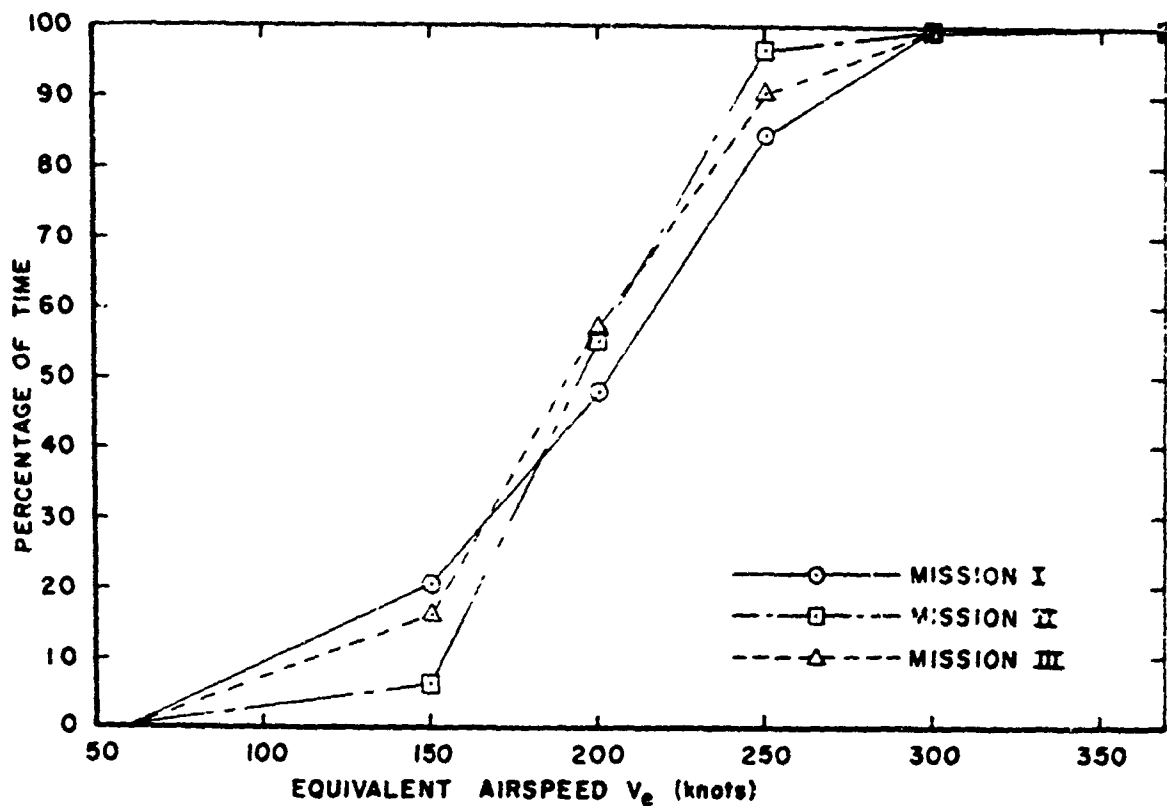


Figure 32. C-130B — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

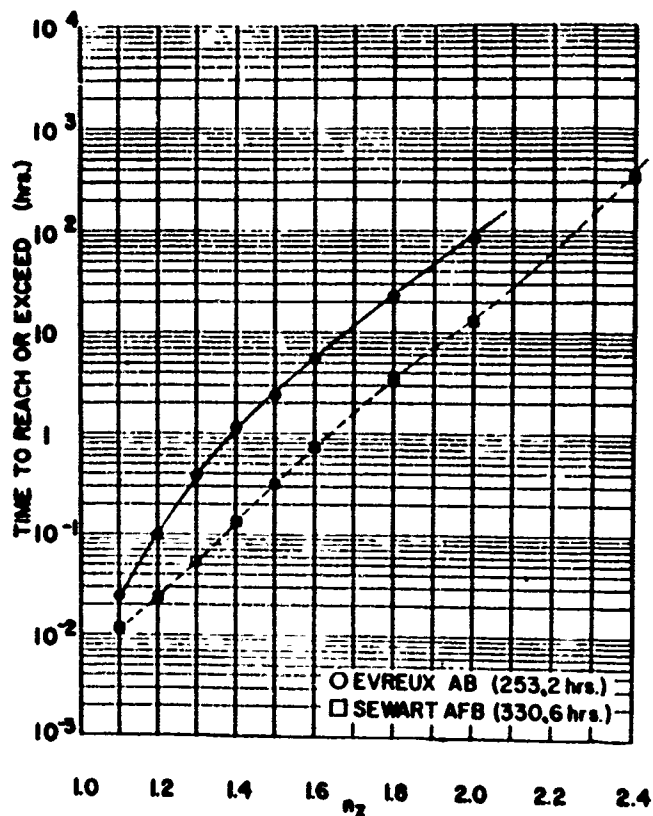


Figure 33. C-130B — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)

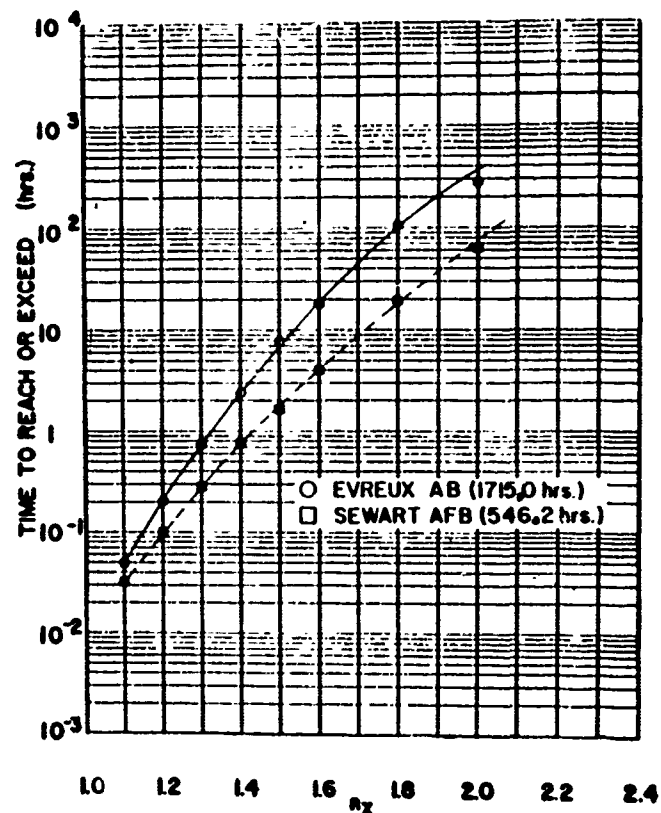


Figure 34

C-130B — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

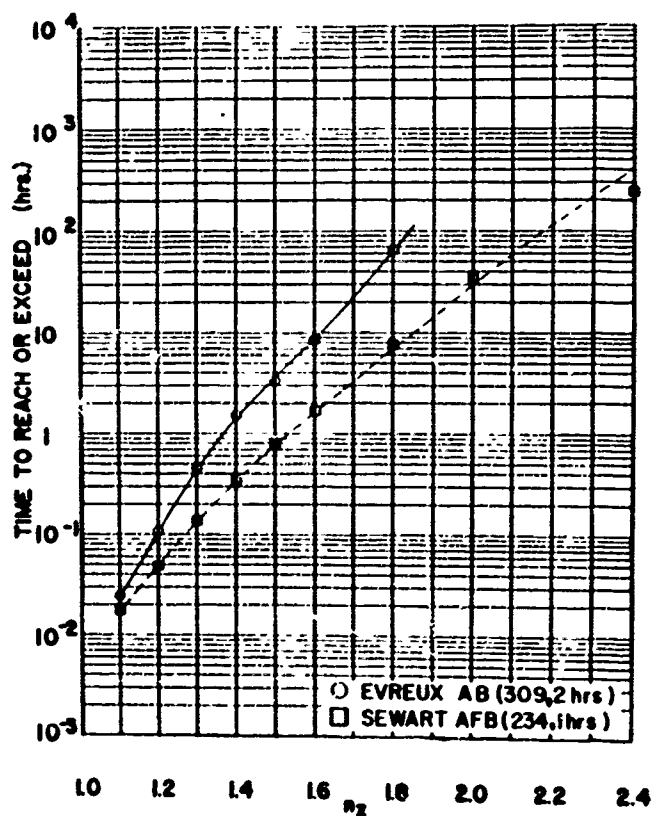


Figure 35. C-130B — Maneuver Load Factor Exceedance Curves for Each Air Base — Mission III (Training)

Figure 36. C-130B — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission I (Airdrop)

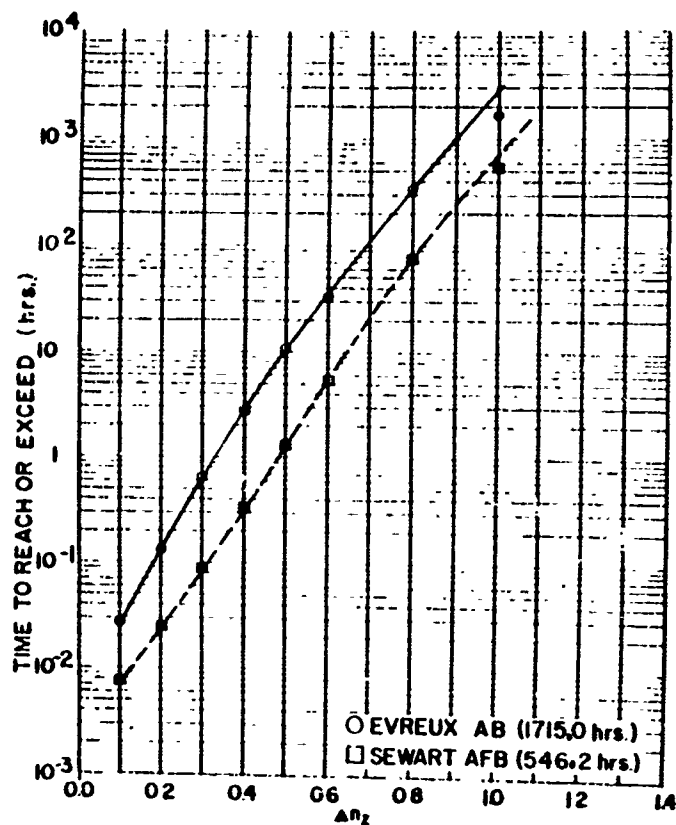
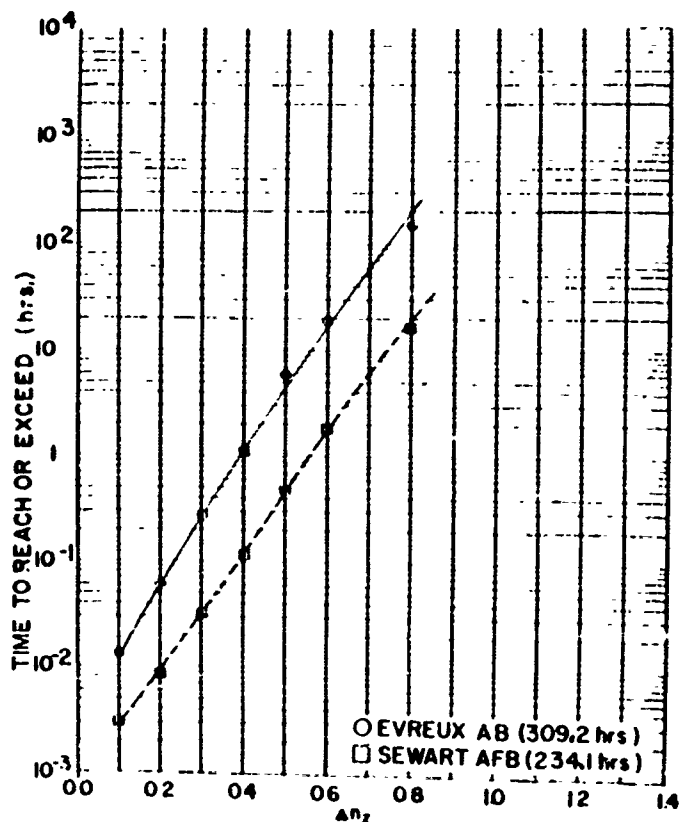
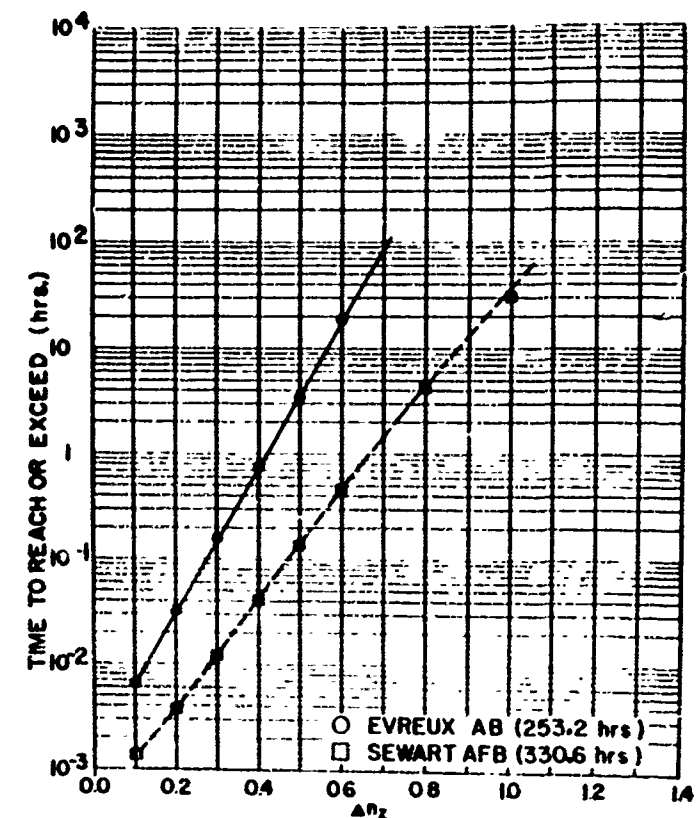


Figure 37

C-130B — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission II (Logistics and Cross Country)

Figure 38. C-130B — Incremental Gust Load Factor Exceedance Curves for Each Air Base — Mission III (Training)



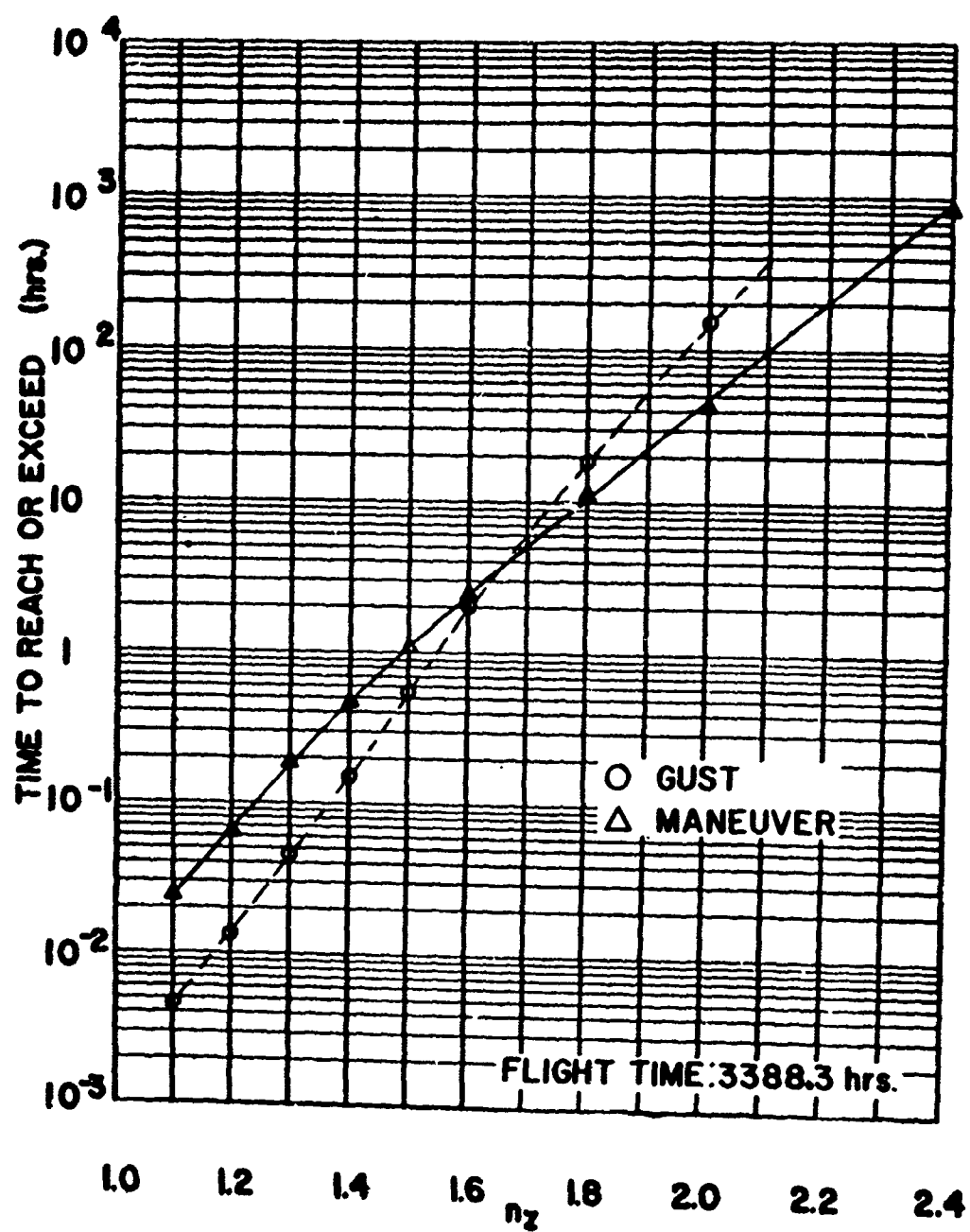


Figure 39. C-130B — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions and Bases

Table 79

**C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Evreux Air Base**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE	2.8						
2.4 TO	2.8			2	1		3
2.0 TO	2.4			4	2		8
1.8 TO	2.0		2				
1.6 TO	1.8	1	14	19	1		35
1.5 TO	1.6	7	24	22	5		58
1.4 TO	1.5	24	40	49	2		115
1.3 TO	1.4	121	180	110	9		420
1.2 TO	1.3	694	761	386	38		1879
1.1 TO	1.2	3157	3136	1594	76	1	7964
0.8 TO	0.9	1470	1588	779	47		3884
0.7 TO	0.8	166	226	134	10		536
0.6 TO	0.7	27	43	38	5		113
0.4 TO	0.6	4	5	8			17
0.2 TO	0.4			1			1
0.0 TO	0.2						
BELOW	0.0						
FLT TIME	(MIN)	3865.4	6210.4	4891.6	221.1	1.5	15190.0

No. of Flights: 123

Table 80

**C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Sewart Air Force Base**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE	2.8						
2.4 TO	2.8		1				1
2.0 TO	2.4		5	17	3		25
1.8 TO	2.0	1	14	39	16		70
1.6 TO	1.8	8	42	298	100		358
1.5 TO	1.6	22	75	284	184		565
1.4 TO	1.5	118	219	632	386		1355
1.3 TO	1.4	548	585	1398	916		3447
1.2 TO	1.3	1909	1697	2917	1822		8345
1.1 TO	1.2	5091	3216	4308	2374		14989
0.8 TO	0.9	2926	1697	2111	1484		8218
0.7 TO	0.8	458	539	818	660		2475
0.6 TO	0.7	50	114	277	179		620
0.4 TO	0.6	12	16	86	42		156
0.2 TO	0.4	1	3	6	1		11
0.0 TO	0.2						
BELOW	0.0						
FLT TIME	(MIN)	3263.9	3355.0	8040.1	5178.4	0.6	19837.9

No. of Flights: 222

Table 81

**C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Evreux Air Base**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							6
2.0 TO	2.4			5	1			10
1.8 TO	2.0	1	2	7				79
1.6 TO	1.8	8	23	35	13			127
1.5 TO	1.6	8	47	55	17			496
1.4 TO	1.5	82	200	171	43			1608
1.3 TO	1.4	273	751	496	87	1		6100
1.2 TO	1.3	1428	2651	1735	286			26870
1.1 TO	1.2	7250	9538	9097	984	1		
0.8 TO	0.9	3668	5464	4208	414			13754
0.7 TO	0.8	442	741	494	31			1708
0.6 TO	0.7	42	99	91	6			238
0.4 TO	0.6	11	17	21	1			50
0.2 TO	0.4		1	1				2
0.0 TO	0.2							
BELOW	0.0							
FLT TIME	(MIN)	5572.1	50827.8	44228.2	2276.4	0.3		102904.9
No. of Flights: 930								

Table 82

**C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Sewart Air Force Base**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							9
2.0 TO	2.4		2	6	1			19
1.8 TO	2.0		2	13	4			110
1.6 TO	1.8	1	24	68	17			188
1.5 TO	1.6	8	49	96	35			395
1.4 TO	1.5	36	113	178	65	1		1232
1.3 TO	1.4	169	439	481	143			3510
1.2 TO	1.3	702	1365	1118	320	5		12114
1.1 TO	1.2	3166	4487	3618	802	41		
0.8 TO	0.9	1739	2482	2014	438	20		6693
0.7 TO	0.8	230	406	331	77	6		1050
0.6 TO	0.7	32	58	76	20			186
0.4 TO	0.6	3	12	21	9			45
0.2 TO	0.4		2	1				3
0.0 TO	0.2							
BELOW	0.0							
FLT TIME	(MIN)	2116.6	15972.5	12609.2	1998.1	74.2		32771.2
No. of Flights: 344								

Table 83

C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Training) — Evreux Air Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2	3				5
1.5 TO 1.6	2	7	22	1			32
1.4 TO 1.5	7	16	27	6			57
1.3 TO 1.4	27	41	35	7	1		110
1.2 TO 1.3	124	164	165	30	1		484
1.1 TO 1.2	609	766	673	140	3		2191
	2835	3570	2883	404	3		9695
0.8 TO 0.9	1607	2103	1649	221	1		5581
0.7 TO 0.8	189	260	270	40			759
0.6 TO 0.7	17	24	40	5			86
0.4 TO 0.6		6	6	2			14
0.2 TO 0.4			1	1			2
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2865.4	8614.1	6228.9	843.1	2.6		18554.1

No. of Flights: 132

Table 84

C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission III (Training) — Sewart Air Force Base

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2	1	3			1
1.5 TO 1.6		4	16	5			6
1.4 TO 1.5	11	25	43	28			25
1.3 TO 1.4	31	51	51	39			107
1.2 TO 1.3	79	93	132	76			172
1.1 TO 1.2	260	360	298	126			380
	1046	1059	599	351	1		1044
	3352	2702	1662	803	3		3056
0.8 TO 0.9	1967	1648	841	393	2		8522
0.7 TO 0.8	309	322	236	144	1		4851
0.6 TO 0.7	28	42	47	61			1012
0.4 TO 0.6	14	11	21	17			178
0.2 TO 0.4	1		1	4			63
0.0 TO 0.2							6
BELOW 0.0							
FLT TIME (MIN)	2330.1	4644.1	4994.6	2075.7	3.2		14047.7

No. of Flights: 140

Table 85

C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6	1	5	3				14
0.4 TO 0.5	2	7	48	5			62
0.3 TO 0.4	12	53	178	18			261
0.2 TO 0.3	79	341	788	61	1		1270
0.1 TO 0.2	794	2099	3390	216	4		6503
	6056	12432	12864	812	16		32180
-0.2 TO -0.1	5763	12825	12368	754	8		31718
-0.3 TO -0.2	632	2120	3269	226	6		6253
-0.4 TO -0.3	59	332	762	52	2		1207
-0.6 TO -0.4	11	62	226	19	1		319
-0.8 TO -0.6			11	2			13
-1.0 TO -0.8			1				1
BELOW -1.0							
FLT TIME (MIN)	3865.4	6210.4	4891.6	221.1	1.5		15190.0

Table 86

C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0		2	4	5			11
0.6 TO 0.8		7	21	41			70
0.5 TO 0.6	3	31	266	324			624
0.4 TO 0.5	8	81	685	891			1665
0.3 TO 0.4	47	362	2560	2770	1		5740
0.2 TO 0.3	346	1206	8767	8448	1		18768
0.1 TO 0.2	2184	4995	27898	24932	6		60015
	10170	15438	63459	56266	9		145342
-0.2 TO -0.1	9200	15019	60561	53743	10		138533
-0.3 TO -0.2	1605	4535	24049	22472	4		52665
-0.4 TO -0.3	200	1046	7511	7477	1		16235
-0.6 TO -0.4	26	325	2714	3015			6080
-0.8 TO -0.6		19	213	258			490
-1.0 TO -0.8		3	22	29			54
BELOW -1.0			2	3			5
FLT TIME (MIN)	3263.9	3355.0	8040.1	5178.4	0.6		19837.9

Table 87

C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							1
1.4 TO 1.8			1				1
1.0 TO 1.4			2				2
0.8 TO 1.0		1					1
0.6 TO 0.8	1	14	27	6			48
0.5 TO 0.6	6	30	57	15			108
0.4 TO 0.5	25	140	266	24			455
0.3 TO 0.4	167	666	1100	140			2073
0.2 TO 0.3	1248	3126	4760	564			9698
0.1 TO 0.2	7892	17634	25011	2466			51003
-0.2 TO -0.1	6791	15907	21287	2262			46247
-0.3 TO -0.2	870	2340	4025	445			7740
-0.4 TO -0.3	103	395	891	96			1485
-0.6 TO -0.4	19	98	276	33			426
-0.8 TO -0.6	1	7	19	5			32
-1.0 TO -0.8			5				5
BELOW -1.0			1				1
FLT TIME (MIN)	5572.1	50827.8	44228.2	2276.4	0.3		102904.9

Table 88

C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							1
1.4 TO 1.8							6
1.0 TO 1.4				1			1
0.8 TO 1.0		1	4	1			6
0.6 TO 0.8	1	4	46	38			89
0.5 TO 0.6	3	20	162	113			297
0.4 TO 0.5	18	81	728	437	1		1268
0.3 TO 0.4	80	375	2652	1578	22		4707
0.2 TO 0.3	653	2087	8909	4816	54		16519
0.1 TO 0.2	3907	10140	26155	11395	152		51749
-0.2 TO -0.1	3636	10055	26706	11537	146		52080
-0.3 TO -0.2	487	1822	8296	4612	27		15244
-0.4 TO -0.3	62	296	2125	1359	11		3853
-0.6 TO -0.4	11	76	597	417	2		1103
-0.8 TO -0.6	1		41	20			62
-1.0 TO -0.8							
BELOW -1.0		1					1
FLT TIME (MIN)	2116.6	15972.5	12609.2	1998.7	74.2		32771.7

Table 89

C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Evreux Air Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			1	1			2
0.6 TO 0.8			12	3			15
0.5 TO 0.6		4	22	9			36
0.4 TO 0.5	2	21	141	45	1		216
0.3 TO 0.4	42	127	532	166	2		869
0.2 TO 0.3	420	675	2194	585	6		3880
0.1 TO 0.2	2832	3921	8752	1925	20		17450
-0.2 TO -0.1	2912	4066	8862	1891	26		17757
-0.3 TO -0.2	363	622	1967	499	7		3458
-0.4 TO -0.3	51	102	449	143			745
-0.6 TO -0.4	4	18	132	53	1		208
-0.8 TO -0.6			8	3			11
-1.0 TO -0.8			1				1
BELOW -1.0							
FLT TIME (MIN)	2865.4	8614.1	6228.9	843.1	2.6		18554.1

Table 90

C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Sewart Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			5	9			14
0.6 TO 0.8		7	51	57			115
0.5 TO 0.6	6	32	150	18			377
0.4 TO 0.5	26	109	660	683			1478
0.3 TO 0.4	169	570	2334	2501			5574
0.2 TO 0.3	1015	2556	7845	7904	1		19221
0.1 TO 0.2	5350	8783	20211	18632	15		52991
-0.2 TO -0.1	5129	8578	20107	18174	14		52002
-0.3 TO -0.2	746	2036	7218	7373	1		17374
-0.4 TO -0.3	95	431	2026	2276			4828
-0.6 TO -0.4	10	104	642	751			1507
-0.8 TO -0.6		4	41	51			96
-1.0 TO -0.8				3			3
BELOW -1.0							
FLT TIME (MIN)	2330.1	4644.1	4974.6	2075.7	3.2		14047.7

Table 91
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.5								2.4 TO 2.5							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6							2	1.5 TO 1.6							
1.4 TO 1.5							4	1.4 TO 1.5							
1.3 TO 1.4							8	1.3 TO 1.4							
1.2 TO 1.3							10	1.2 TO 1.3							
1.1 TO 1.2							16	1.1 TO 1.2							
							100								
0.8 TO 0.9							136	0.8 TO 0.9							
0.7 TO 0.8							19	0.7 TO 0.8							
0.6 TO 0.7							4	0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	86.0	56.4	22.6	12.4			175.5	FLT TIME (MIN)	9.9	23.7	32.4	18.8			96.4

Altitude: 30,000 feet and Above							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.0							
2.4 TO 2.5							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		117.7					117.7

Table 92
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS	150	200	250	300	350	TOTAL
NZ	THAN	TO	TO	TO	TO	AND	NZ	NZ	THAN	TO	TO	TO	TO	AND	NZ
150	200	250	300	350	ABOVE			150	200	250	300	350	ABOVE		
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4							5	2.0 TO 2.4							2
2.4 TO 2.8							8	2.4 TO 2.8							11
1.0 TO 1.4			3				3	1.0 TO 1.4							17
1.4 TO 1.8			11				11	1.4 TO 1.8							24
1.8 TO 2.0			26				26	1.8 TO 2.0							79
1.5 TO 1.6			21				21	1.5 TO 1.6							306
1.6 TO 1.8			42				42	1.6 TO 1.8							1254
1.8 TO 2.0			101				101	1.8 TO 2.0							
1.2 TO 1.3			160				160	1.2 TO 1.3							
1.3 TO 1.4			224				224	1.3 TO 1.4							
1.4 TO 1.5			265				265	1.4 TO 1.5							
0.8 TO 0.9			194				194	0.8 TO 0.9							
0.9 TO 1.0			112				112	0.9 TO 1.0							
0.7 TO 0.8			27				27	0.7 TO 0.8							
0.6 TO 0.7			7				7	0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	959.9	785.2	721.2	676.0	640.0	604.0	2999.8	FLY TIME (MIN)	477.4	919.7	605.7	468.1	350.0	2170.9	

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS	150	200	250	300	350	TOTAL
NZ	THAN	TO	TO	TO	TO	AND	NZ	NZ	THAN	TO	TO	TO	TO	AND	NZ
150	200	250	300	350	ABOVE			150	200	250	300	350	ABOVE		
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
1.8 TO 2.0								1.8 TO 2.0							
1.5 TO 1.6								1.5 TO 1.6							
1.6 TO 1.8								1.6 TO 1.8							
1.8 TO 2.0								1.8 TO 2.0							
1.2 TO 1.3								1.2 TO 1.3							
1.3 TO 1.4								1.3 TO 1.4							
1.4 TO 1.5								1.4 TO 1.5							
0.8 TO 0.9								0.8 TO 0.9							
0.9 TO 1.0								0.9 TO 1.0							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	25.4	79.4	9.1				113.9	FLY TIME (MIN)	11.2	115.1	17.0				143.3

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS	150	200	250	300	350	TOTAL
NZ	THAN	TO	TO	TO	TO	AND	NZ	NZ	THAN	TO	TO	TO	TO	AND	NZ
150	200	250	300	350	ABOVE			150	200	250	300	350	ABOVE		
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
1.8 TO 2.0								1.8 TO 2.0							
1.5 TO 1.6								1.5 TO 1.6							
1.6 TO 1.8								1.6 TO 1.8							
1.8 TO 2.0								1.8 TO 2.0							
1.2 TO 1.3								1.2 TO 1.3							
1.3 TO 1.4								1.3 TO 1.4							
1.4 TO 1.5								1.4 TO 1.5							
0.8 TO 0.9								0.8 TO 0.9							
0.9 TO 1.0								0.9 TO 1.0							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	2.2	2.8	52.4				57.4	FLY TIME (MIN)	3.3	64.8					67.9

Altitude: 25,000 to 30,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS	150	200	250	300	350	TOTAL
NZ	THAN	TO	TO	TO	TO	AND	NZ
150	200	250	300	350	ABOVE		
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
1.0 TO 1.4							
1.4 TO 1.8							
1.8 TO 2.0							
1.5 TO 1.6							
1.6 TO 1.8							
1.8 TO 2.0							
1.2 TO 1.3							
1.3 TO 1.4							
1.4 TO 1.5							
0.8 TO 0.9							
0.9 TO 1.0							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	21.0	30.0					51.0

**C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95,000 to 105,000 lb.**

[illegible]

Altitude 0 to 2000 feet

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Table 95
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet									
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL	
NE	NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NE	NE	NE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NE		
ABOVE 2.0	2.0							ABOVE 2.0	2.0								
2.0 TO 2.5	2.5						1	2.0 TO 2.5	2.5								
2.5 TO 3.0	3.0						10	2.5 TO 3.0	3.0								
3.0 TO 3.5	3.5						10	3.0 TO 3.5	3.5								
3.5 TO 4.0	4.0						10	3.5 TO 4.0	4.0								
4.0 TO 4.5	4.5						10	4.0 TO 4.5	4.5								
4.5 TO 5.0	5.0						10	4.5 TO 5.0	5.0								
5.0 TO 5.5	5.5						10	5.0 TO 5.5	5.5								
5.5 TO 6.0	6.0						10	5.5 TO 6.0	6.0								
6.0 TO 6.5	6.5						10	6.0 TO 6.5	6.5								
6.5 TO 7.0	7.0						10	6.5 TO 7.0	7.0								
7.0 TO 7.5	7.5						10	7.0 TO 7.5	7.5								
7.5 TO 8.0	8.0						10	7.5 TO 8.0	8.0								
8.0 TO 8.5	8.5						10	8.0 TO 8.5	8.5								
8.5 TO 9.0	9.0						10	8.5 TO 9.0	9.0								
9.0 TO 9.5	9.5						10	9.0 TO 9.5	9.5								
9.5 TO 10.0	10.0						10	9.5 TO 10.0	10.0								
10.0 TO 10.5	10.5						10	10.0 TO 10.5	10.5								
10.5 TO 11.0	11.0						10	10.5 TO 11.0	11.0								
11.0 TO 11.5	11.5						10	11.0 TO 11.5	11.5								
11.5 TO 12.0	12.0						10	11.5 TO 12.0	12.0								
12.0 TO 12.5	12.5						10	12.0 TO 12.5	12.5								
12.5 TO 13.0	13.0						10	12.5 TO 13.0	13.0								
13.0 TO 13.5	13.5						10	13.0 TO 13.5	13.5								
13.5 TO 14.0	14.0						10	13.5 TO 14.0	14.0								
14.0 TO 14.5	14.5						10	14.0 TO 14.5	14.5								
14.5 TO 15.0	15.0						10	14.5 TO 15.0	15.0								
15.0 TO 15.5	15.5						10	15.0 TO 15.5	15.5								
15.5 TO 16.0	16.0						10	15.5 TO 16.0	16.0								
16.0 TO 16.5	16.5						10	16.0 TO 16.5	16.5								
16.5 TO 17.0	17.0						10	16.5 TO 17.0	17.0								
17.0 TO 17.5	17.5						10	17.0 TO 17.5	17.5								
17.5 TO 18.0	18.0						10	17.5 TO 18.0	18.0								
18.0 TO 18.5	18.5						10	18.0 TO 18.5	18.5								
18.5 TO 19.0	19.0						10	18.5 TO 19.0	19.0								
19.0 TO 19.5	19.5						10	19.0 TO 19.5	19.5								
19.5 TO 20.0	20.0						10	19.5 TO 20.0	20.0								
20.0 TO 20.5	20.5						10	20.0 TO 20.5	20.5								
20.5 TO 21.0	21.0						10	20.5 TO 21.0	21.0								
21.0 TO 21.5	21.5						10	21.0 TO 21.5	21.5								
21.5 TO 22.0	22.0						10	21.5 TO 22.0	22.0								
22.0 TO 22.5	22.5						10	22.0 TO 22.5	22.5								
22.5 TO 23.0	23.0						10	22.5 TO 23.0	23.0								
23.0 TO 23.5	23.5						10	23.0 TO 23.5	23.5								
23.5 TO 24.0	24.0						10	23.5 TO 24.0	24.0								
24.0 TO 24.5	24.5						10	24.0 TO 24.5	24.5								
24.5 TO 25.0	25.0						10	24.5 TO 25.0	25.0								
25.0 TO 25.5	25.5						10	25.0 TO 25.5	25.5								
25.5 TO 26.0	26.0						10	25.5 TO 26.0	26.0								
26.0 TO 26.5	26.5						10	26.0 TO 26.5	26.5								
26.5 TO 27.0	27.0						10	26.5 TO 27.0	27.0								
27.0 TO 27.5	27.5						10	27.0 TO 27.5	27.5								
27.5 TO 28.0	28.0						10	27.5 TO 28.0	28.0								
28.0 TO 28.5	28.5						10	28.0 TO 28.5	28.5								
28.5 TO 29.0	29.0						10	28.5 TO 29.0	29.0								
29.0 TO 29.5	29.5						10	29.0 TO 29.5	29.5								
29.5 TO 30.0	30.0						10	29.5 TO 30.0	30.0								
30.0 TO 30.5	30.5						10	30.0 TO 30.5	30.5								
30.5 TO 31.0	31.0						10	30.5 TO 31.0	31.0								
31.0 TO 31.5	31.5						10	31.0 TO 31.5	31.5								
31.5 TO 32.0	32.0						10	31.5 TO 32.0	32.0								
32.0 TO 32.5	32.5						10	32.0 TO 32.5	32.5								
32.5 TO 33.0	33.0						10	32.5 TO 33.0	33.0								
33.0 TO 33.5	33.5						10	33.0 TO 33.5	33.5								
33.5 TO 34.0	34.0						10	33.5 TO 34.0	34.0								
34.0 TO 34.5	34.5						10	34.0 TO 34.5	34.5								
34.5 TO 35.0	35.0						10	34.5 TO 35.0	35.0								
35.0 TO 35.5	35.5						10	35.0 TO 35.5	35.5								
35.5 TO 36.0	36.0						10	35.5 TO 36.0	36.0								
36.0 TO 36.5	36.5						10	36.0 TO 36.5	36.5								
36.5 TO 37.0	37.0						10	36.5 TO 37.0	37.0								
37.0 TO 37.5	37.5						10	37.0 TO 37.5	37.5								
37.5 TO 38.0	38.0						10	37.5 TO 38.0	38.0								
38.0 TO 38.5	38.5						10	38.0 TO 38.5	38.5								
38.5 TO 39.0	39.0						10	38.5 TO 39.0	39.0								
39.0 TO 39.5	39.5						10	39.0 TO 39.5	39.5								
39.5 TO 40.0	40.0						10	39.5 TO 40.0	40.0								
40.0 TO 40.5	40.5						10	40.0 TO 40.5	40.5								
40.5 TO 41.0	41.0						10	40.5 TO 41.0	41.0								
41.0 TO 41.5	41.5						10	41.0 TO 41.5	41.5								
41.5 TO 42.0	42.0						10	41.5 TO 42.0	42.0								
42.0 TO 42.5	42.5						10	42.0 TO 42.5	42.5								
42.5 TO 43.0	43.0						10	42.5 TO 43.0	43.0								
43.0 TO 43.5	43.5						10	43.0 TO 43.5	43.5								
43.5 TO 44.0	44.0						10	43.5 TO 44.0	44.0								
44.0 TO 44.5	44.5						10	44.0 TO 44.5	44.5								
44.5 TO 45.0	45.0						10	44.5 TO 45.0	45.0								
45.0 TO 45.5	45.5						10	45.0 TO 45.5	45.5								
45.5 TO 46.0	46.0						10	45.5 TO 46.0	46.0								
46.0 TO 46.5	46.5						10	46.0 TO 46.5	46.5								
46.5 TO 47.0	47.0						10	46.5 TO 47.0	47.0								

Table 96
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL	LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 AND ABOVE	TOTAL
ABOVE 2.8									ABOVE 2.8							
2.4 TO 2.8									2.4 TO 2.8							
2.0 TO 2.4									2.0 TO 2.4							
1.6 TO 2.0									1.6 TO 2.0							
1.2 TO 1.6									1.2 TO 1.6							
0.8 TO 1.2									0.8 TO 1.2							
0.4 TO 0.8									0.4 TO 0.8							
0.0 TO 0.4									0.0 TO 0.4							
BELOW 0.0									BELOW 0.0							
FLY TIME (MIN)		11.4	11.4	10.9	12.9			54.6	FLY TIME (MIN)		10.0	13.1	23.1			52.2
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL	LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 AND ABOVE	TOTAL
ABOVE 2.8									ABOVE 2.8							
2.4 TO 2.8									2.4 TO 2.8							
2.0 TO 2.4									2.0 TO 2.4							
1.6 TO 2.0									1.6 TO 2.0							
1.2 TO 1.6									1.2 TO 1.6							
0.8 TO 1.2									0.8 TO 1.2							
0.4 TO 0.8									0.4 TO 0.8							
0.0 TO 0.4									0.0 TO 0.4							
BELOW 0.0									BELOW 0.0							
FLY TIME (MIN)		10.5	0.5	1.0				23.9	FLY TIME (MIN)		15.0					15.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL	LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 AND ABOVE	TOTAL
ABOVE 2.8									ABOVE 2.8							
2.4 TO 2.8									2.4 TO 2.8							
2.0 TO 2.4									2.0 TO 2.4							
1.6 TO 2.0									1.6 TO 2.0							
1.2 TO 1.6									1.2 TO 1.6							
0.8 TO 1.2									0.8 TO 1.2							
0.4 TO 0.8									0.4 TO 0.8							
0.0 TO 0.4									0.0 TO 0.4							
BELOW 0.0									BELOW 0.0							
FLY TIME (MIN)		10.0						10.0	FLY TIME (MIN)		10.0	05.0				05.0
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						EQUIVALENT AIRSPEED - VE (KNOTS)		EQUIVALENT AIRSPEED - VE (KNOTS)						
LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL	LOAD FACTOR	VE	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 AND ABOVE	TOTAL
ABOVE 2.8									ABOVE 2.8							
2.4 TO 2.8									2.4 TO 2.8							
2.0 TO 2.4									2.0 TO 2.4							
1.6 TO 2.0									1.6 TO 2.0							
1.2 TO 1.6									1.2 TO 1.6							
0.8 TO 1.2									0.8 TO 1.2							
0.4 TO 0.8									0.4 TO 0.8							
0.0 TO 0.4									0.0 TO 0.4							
BELOW 0.0									BELOW 0.0							
FLY TIME (MIN)		7.3	24.4	12.1				44.0	FLY TIME (MIN)							

Table 97

**C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 75,000 to 85,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6	1		2	1			4
1.4 TO 1.5		2	2				4	1.4 TO 1.5			2	1			3
1.3 TO 1.4		3	2	1			6	1.3 TO 1.4	7	5	3				15
1.2 TO 1.3		24	8	2			34	1.2 TO 1.3	14	16	2	2			40
1.1 TO 1.2		114	15	7			136	1.1 TO 1.2	71	109	34	2			216
0.8 TO 0.9		50	11	4			65	0.8 TO 0.9	24	36	7				67
0.7 TO 0.8		5	1				6	0.7 TO 0.8	4	5	3				12
0.6 TO 0.7								0.6 TO 0.7	1	1					2
0.4 TO 0.6								0.4 TO 0.6			1				1
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME								FLT TIME							
(MIN)	45.5	12.0	4.2				61.7	(MIN)	33.7	74.8	30.5	2.9			143.5
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME								FLT TIME							
(MIN)	0.1	76.5	43.8	2.7			123.1	(MIN)		10.0	32.7	10.4			53.1
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME								FLT TIME							
(MIN)	7.9	113.0	4.1				124.0	(MIN)		33.7	147.1	0.9			183.7
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME								FLT TIME							
(MIN)	98.5	72.0					171.3	(MIN)		10.0	1.0				10.2

Table 99
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	1375.4	906.7	1085.1	400.9	5.2		3673.4	FLT TIME (MIN)	650.2	1284.0	1209.2	247.7	1.8		3392.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	43.2	840.1	1336.1	314.3	1.6		2533.4	FLT TIME (MIN)	22.5	784.7	1401.4	269.6	0.3		2418.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	32.3	775.9	2191.8	169.5			3169.6	FLT TIME (MIN)	49.3	2014.4	4531.1	77.5			6663.3
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	34.2	8074.4	3578.4	1.0			11688.0	FLT TIME (MIN)	308.2	2297.0	627.0				3232.2

Table 100

**C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 105,000 to 115,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8		1	2				3	2.4 TO 2.8			3				3
2.0 TO 2.4								2.0 TO 2.4			2				2
1.8 TO 2.0			3	1			4	1.8 TO 2.0			2				2
1.6 TO 1.8	3	10	25	2			40	1.6 TO 1.8		1	8	2			11
1.5 TO 1.6		20	29	7			56	1.5 TO 1.6	2	8	16	6			32
1.4 TO 1.5	24	59	60	15	1		160	1.4 TO 1.5	9	34	46	5			94
1.3 TO 1.4	66	261	179	31			537	1.3 TO 1.4	38	130	107	20			295
1.2 TO 1.3	453	668	296	75	1		1489	1.2 TO 1.3	177	448	174	72			1071
1.1 TO 1.2	2566	1371	491	98	1		4527	1.1 TO 1.2	799	1438	1162	283	1		3683
0.8 TO 0.9	1330	664	176	52			2230	0.8 TO 0.9	424	619	541	145			1929
0.7 TO 0.8	133	139	67	5			364	0.7 TO 0.8	65	146	121	25			357
0.6 TO 0.7	16	13	11	3			43	0.6 TO 0.7	7	18	26	6			55
0.4 TO 0.6	1	2	1				4	0.4 TO 0.6	2	2	7	2			13
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	1242.3	948.7	1113.9	270.7	2.8		3578.4	FLY TIME (MIN)	615.2	1581.4	1534.1	429.9	0.7		4162.8
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8			1				1	2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0			1				1
1.6 TO 1.8		2	1	1			4	1.6 TO 1.8							
1.5 TO 1.6		3	4	2			9	1.5 TO 1.6				1			1
1.4 TO 1.5			13	7			27	1.4 TO 1.5	1	1	14	5			20
1.3 TO 1.4	3	33	67	11			114	1.3 TO 1.4		24	68	22			114
1.2 TO 1.3	19	129	211	35	1		395	1.2 TO 1.3		4	209	476	124		813
1.1 TO 1.2	75	636	644	161	18		1732	1.1 TO 1.2	4	169	266	63			502
0.8 TO 0.9	57	443	472	59	8		1029	0.8 TO 0.9		14	32	2			48
0.7 TO 0.8	4	59	50	7	3		136	0.7 TO 0.8		1	2				3
0.6 TO 0.7		5	16	2			23	0.6 TO 0.7							
0.4 TO 0.6		2	3				5	0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	65.2	1534.3	1536.6	240.6	20.6		3397.2	FLY TIME (MIN)	42.2	1682.4	1878.5	290.7			3893.7
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8			1				1
1.5 TO 1.6								1.5 TO 1.6				1			1
1.4 TO 1.5			4				4	1.4 TO 1.5			2	3			5
1.3 TO 1.4		2	17	3			22	1.3 TO 1.4		12	3				15
1.2 TO 1.3		30	56	15			101	1.2 TO 1.3	1	31	32	3			67
1.1 TO 1.2	6	240	548	52			846	1.1 TO 1.2	13	316	781	16			1126
0.8 TO 0.9	8	173	293	41			515	0.8 TO 0.9	8	232	399	8			647
0.7 TO 0.8		17	10				33	0.7 TO 0.8	1	18	12				31
0.6 TO 0.7			3				3	0.6 TO 0.7		1	2				3
0.4 TO 0.6			2				2	0.4 TO 0.6		1	1				2
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	70.0	1712.8	3619.6	231.5			5634.0	FLY TIME (MIN)	126.9	3613.6	6050.7	77.6			9868.7
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ	LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8				1			1
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5		2	2				4	1.4 TO 1.5	1	2					3
1.3 TO 1.4		5	4				9	1.3 TO 1.4		1	2				3
1.2 TO 1.3		27	8				36	1.2 TO 1.3	8	10	4				22
1.1 TO 1.2	14	547	278	1			840	1.1 TO 1.2	9	163	54				226
0.8 TO 0.9	6	237	182				345	0.8 TO 0.9	1	70	20				91
0.7 TO 0.8	1	11	8				20	0.7 TO 0.8		2	2				4
0.6 TO 0.7		1					1	0.6 TO 0.7		1					1
0.4 TO 0.6			1				1	0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	174.6	9941.5	3099.6	8.4			13969.9	FLY TIME (MIN)	158.6	3690.6	843.6				4492.7

Table 101
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8							1	2.4 TO 2.8							1
2.0 TO 2.4		1					2	2.0 TO 2.4							1
1.8 TO 2.0			1				1	1.8 TO 2.0							1
1.6 TO 1.8	1	3	5	5			14	1.6 TO 1.8		1					2
1.5 TO 1.6		5	25	1			31	1.5 TO 1.6		1					5
1.4 TO 1.5	7	17	36	2			62	1.4 TO 1.5		13	16				42
1.3 TO 1.4	43	68	70	1			182	1.3 TO 1.4	9	57	40	10			130
1.2 TO 1.3	182	286	109	12			589	1.2 TO 1.3	125	261	167	33			586
1.1 TO 1.2	1038	716	183	18			1955	1.1 TO 1.2	586	806	466	71			1929
0.8 TO 0.9	587	305	79	3			974	0.8 TO 0.9	308	452	207	24			991
0.7 TO 0.8	47	65	27	3			142	0.7 TO 0.8	46	85	49	5			185
0.6 TO 0.7	2	8	5				15	0.6 TO 0.7	5						17
0.4 TO 0.6	1	1	3				5	0.4 TO 0.6		2		1			3
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	547.4	426.4	320.9	80.4			1275.1	FLT TIME (MIN)	352.8	917.1	632.6	122.7			2024.0
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8		3	1	1			5	1.6 TO 1.8		2	1	2			5
1.5 TO 1.6		2	3	3			8	1.5 TO 1.6			1	1			2
1.4 TO 1.5	2	8	5	3			18	1.4 TO 1.5	3	1	1				5
1.3 TO 1.4	2	17	26	4			51	1.3 TO 1.4			9	4			13
1.2 TO 1.3	20	80	110	14	1		227	1.2 TO 1.3		22	40	18			80
1.1 TO 1.2	83	356	109	88	15		931	1.1 TO 1.2	3	172	287	87	1		550
0.8 TO 0.9	21	228	218	33	6		506	0.8 TO 0.9		124	115	41	4		284
0.7 TO 0.8		31	24		2		59	0.7 TO 0.8		11	9	3			23
0.6 TO 0.7		4					15	0.6 TO 0.7		2					4
0.4 TO 0.6		1					1	0.4 TO 0.6			2				1
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	62.4	1091.4	681.0	144.3	31.6		2011.0	FLT TIME (MIN)	22.4	1086.2	998.6	261.6	9.3		2378.2
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8		1					1	1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5			3	2			5	1.4 TO 1.5			1	1			2
1.3 TO 1.4		1	7	2			10	1.3 TO 1.4		2	10	4			16
1.2 TO 1.3	1	9	38	12			60	1.2 TO 1.3	7	9	27	5			43
1.1 TO 1.2	4	112	296	44			436	1.1 TO 1.2	6	143	419	4			572
0.8 TO 0.9	5	92	111	17			225	0.8 TO 0.9	14	97	129	2			242
0.7 TO 0.8	3	3	11	1			18	0.7 TO 0.8	1	8	6	2			17
0.6 TO 0.7								0.6 TO 0.7			1				1
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	55.6	1090.5	1652.4	85.5			2900.0	FLT TIME (MIN)	80.8	2048.6	3795.2	23.7			5908.1
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4			1				2	1.3 TO 1.4		1					1
1.2 TO 1.3			4				4	1.2 TO 1.3		5					9
1.1 TO 1.2	1	16	10				26	1.1 TO 1.2	2	73	77				152
0.8 TO 0.9	4	132	35				171	0.8 TO 0.9	1	49	42				92
0.7 TO 0.8		9	1				10	0.7 TO 0.8		6	4				10
0.6 TO 0.7		2					2	0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	88.6	6550.2	1629.9				8468.0	FLT TIME (MIN)	25.3	1520.1	987.8				2142.2

Table 102
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	177.3	224.1	49.9	26.6			477.9	FLT TIME (MIN)	66.0	305.2	122.9	19.6			513.7

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	19.2	663.5	219.4	28.7			930.8	FLT TIME (MIN)	27.3	694.1	419.3	30.3			1120.0

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	50.3	821.4	1151.7	3.9			2027.4	FLT TIME (MIN)	71.3	1205.4	1312.6	2.0			2591.3

Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	57.9	1700.7	444.5				2211.1	FLT TIME (MIN)	234.0	44.0					278.0

Table 103
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 75,000 to 35,000 lb.

Altitude: 0 to 2000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4			1	2			3
1.8 TO 2.0			1				1
1.6 TO 1.8				2			2
1.5 TO 1.6		2	1				3
1.4 TO 1.5		6	5	4	2		17
1.3 TO 1.4		20	13	9	8		49
1.2 TO 1.3		59	27	3	10		99
1.1 TO 1.2		152	62	5	9		228
0.8 TO 0.9		89	32	5	3		129
0.7 TO 0.8		11	9	2	4		26
0.6 TO 0.7		2	1	1	2		6
0.4 TO 0.6		1	1	2			4
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)	150.7	121.6	26.9	57.1			356.3

Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)	52.1	58.9	57.8	24.0			192.8

Altitude: 5000 to 10,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)	0.3	57.4					61.2

Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)							

Altitude: 15,000 to 20,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)	0.3	0.9	10.5				11.7

Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)							

Altitude: 25,000 to 30,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)							

Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME							
(MIN)							

Table 104
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 5000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL	
ABOVE 2.0										ABOVE 2.0									
2.0 TO 2.4			1		1			2		2.0 TO 2.4									
1.8 TO 2.0				4	3			7		1.8 TO 2.0									
1.6 TO 1.8	2	5	5	9				21		1.6 TO 1.8									
1.5 TO 1.6	7	9	10	7				33		1.5 TO 1.6	2	4	4	3	1				14
1.4 TO 1.5	12	22	17	9				60		1.4 TO 1.5		4	6	6	1				17
1.3 TO 1.4	34	52	39	8				131		1.3 TO 1.4	10	23	70	3					106
1.2 TO 1.3	179	191	60	33				471		1.2 TO 1.3	94	86	25	24					229
1.1 TO 1.2	704	416	105	45				1420		1.1 TO 1.2	300	370	203	62					1112
0.9 TO 0.9	445	233	114	27				819		0.9 TO 0.9	226	231	149	25					671
0.7 TO 0.9	32	55	25	7				140		0.7 TO 0.9	26	20	25	5					66
0.6 TO 0.7	8	5	7	7				27		0.6 TO 0.7	3	7	4	1					15
0.4 TO 0.6	6				2			16		0.4 TO 0.6		1	1						2
0.2 TO 0.4								2		0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (min)	509.4	494.8	923.2	321.9				1800.6		FLT TIME (min)	373.0	305.5	520.0	195.0	0.2				1403.6
Altitude: 5000 to 10,000 feet										Altitude: 10,000 to 15,000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL	
ABOVE 2.0										ABOVE 2.0									
2.0 TO 2.4										2.0 TO 2.4									
1.8 TO 2.0										1.8 TO 2.0									
1.6 TO 1.8										1.6 TO 1.8									
1.5 TO 1.6	1		3					4		1.5 TO 1.6									
1.4 TO 1.5			2		1			3		1.4 TO 1.5									
1.3 TO 1.4				5	10			15		1.3 TO 1.4									
1.2 TO 1.3	7	3	10	16				46		1.2 TO 1.3									
1.1 TO 1.2	24	32	103	33				192		1.1 TO 1.2									
0.9 TO 0.9	10	21	54	21				116		0.9 TO 0.9									
0.7 TO 0.9		2	4	5				11		0.7 TO 0.9									
0.6 TO 0.7								6		0.6 TO 0.7									
0.4 TO 0.6										0.4 TO 0.6									
0.2 TO 0.4										0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (min)	21.2	56.4	172.9	45.0				336.3		FLT TIME (min)	2.9	54.4	111.2	37.9					206.5
Altitude: 15,000 to 20,000 feet										Altitude: 20,000 to 25,000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL	
ABOVE 2.0										ABOVE 2.0									
2.0 TO 2.4										2.0 TO 2.4									
1.8 TO 2.0										1.8 TO 2.0									
1.6 TO 1.8										1.6 TO 1.8									
1.5 TO 1.6										1.5 TO 1.6									
1.4 TO 1.5										1.4 TO 1.5									
1.3 TO 1.4										1.3 TO 1.4									
1.2 TO 1.3										1.2 TO 1.3									
1.1 TO 1.2										1.1 TO 1.2									
0.9 TO 0.9										0.9 TO 0.9									
0.7 TO 0.9										0.7 TO 0.9									
0.6 TO 0.7										0.6 TO 0.7									
0.4 TO 0.6										0.4 TO 0.6									
0.2 TO 0.4										0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (min)	0.0	37.0	200.7	20.7				278.3		FLT TIME (min)	1.7	159.3	442.2	3.9					623.0
Altitude: 25,000 to 30,000 feet										Altitude: 30,000 feet and Above									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	AND ABOVE	TOTAL	
ABOVE 2.0										ABOVE 2.0									
2.0 TO 2.4										2.0 TO 2.4									
1.8 TO 2.0										1.8 TO 2.0									
1.6 TO 1.8										1.6 TO 1.8									
1.5 TO 1.6										1.5 TO 1.6									
1.4 TO 1.5										1.4 TO 1.5									
1.3 TO 1.4										1.3 TO 1.4									
1.2 TO 1.3										1.2 TO 1.3									
1.1 TO 1.2										1.1 TO 1.2									
0.9 TO 0.9										0.9 TO 0.9									
0.7 TO 0.9										0.7 TO 0.9									
0.6 TO 0.7										0.6 TO 0.7									
0.4 TO 0.6										0.4 TO 0.6									
0.2 TO 0.4										0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (min)	179.4	150.9						330.3		FLT TIME (min)	157.4	710.2	23.9						891.5

Table 105
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 5000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ			NZ	150	200	250	300	350	ABOVE	NZ		
ABOVE 2.0										ABOVE 2.0									
2.4 TO 2.0										2.4 TO 2.0									
2.0 TO 2.4										2.0 TO 2.4									
1.0 TO 2.0										1.0 TO 2.0									
1.6 TO 1.0	6	4	14	1				29		1.6 TO 1.0	1	7	8	1				17	
1.5 TO 1.6	17	16	9	11				53		1.5 TO 1.6	3	9	12	6		1		31	
1.5 TO 1.5	52	41	30	20				144		1.5 TO 1.5	11	13	16	6				46	
1.3 TO 1.4	151	136	69	26				382		1.3 TO 1.4	25	80	50	19		1		183	
1.2 TO 1.3	642	406	192	77				1317		1.2 TO 1.3	175	325	178	47		3		728	
1.1 TO 1.2	2367	1022	505	114				4008		1.1 TO 1.2	626	906	795	220		5		2640	
0.0 TO 0.9	1279	529	259	79				2137		0.0 TO 0.9	377	543	408	96		1		1617	
0.7 TO 0.0	207	120	101	37				475		0.7 TO 0.0	59	96	55	19		1		230	
0.6 TO 0.7	7	15	12	14				50		0.6 TO 0.7	6	11	8	4				29	
0.4 TO 0.6	3	2	1	4				10		0.4 TO 0.6	5	1	1	1				7	
0.2 TO 0.4				1				1		0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (MIN)	1313.9	664.5	1176.0	332.5				3690.0		FLT TIME (MIN)	572.5	1094.0	1228.1	320.1		3-2		3176.1	
Altitude: 5000 to 10,000 feet										Altitude: 10,000 to 15,000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ			NZ	150	200	250	300	350	ABOVE	NZ		
ABOVE 2.0										ABOVE 2.0									
2.4 TO 2.0										2.4 TO 2.0									
2.0 TO 2.4										2.0 TO 2.4									
1.0 TO 2.0										1.0 TO 2.0									
1.6 TO 1.0		1	1					2		1.6 TO 1.0				1				1	
1.5 TO 1.6			3	1				4		1.5 TO 1.6				1				1	
1.5 TO 1.5			3	2				5		1.5 TO 1.5		1						1	
1.3 TO 1.4		5	14	5				24		1.3 TO 1.4		4	11	1				16	
1.2 TO 1.3		18	52	24	1			95		1.2 TO 1.3		20	27	12				59	
1.1 TO 1.2	1	104	276	116	1			568		1.1 TO 1.2	11	115	82	59				267	
0.0 TO 0.9	3	131	177	74	1			386		0.0 TO 0.9	3	85	47	31				186	
0.7 TO 0.0		10	19	9				37		0.7 TO 0.0		8	9	1				18	
0.6 TO 0.7		1	2					3		0.6 TO 0.7									
0.4 TO 0.6			1					1		0.4 TO 0.6									
0.2 TO 0.4										0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (MIN)	0.7	202.7	556.0	221.2	1.0			965.6		FLT TIME (MIN)	0.9	262.4	463.8	134.6				850.7	
Altitude: 15,000 to 20,000 feet										Altitude: 20,000 to 25,000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ			NZ	150	200	250	300	350	ABOVE	NZ		
ABOVE 2.0										ABOVE 2.0									
2.4 TO 2.0										2.4 TO 2.0									
2.0 TO 2.4										2.0 TO 2.4									
1.0 TO 2.0										1.0 TO 2.0									
1.6 TO 1.0										1.6 TO 1.0		1	1					1	
1.5 TO 1.6										1.5 TO 1.6		1		1				2	
1.5 TO 1.5										1.5 TO 1.5		1		2				3	
1.3 TO 1.4			3	3				6		1.3 TO 1.4		7	2	3				12	
1.2 TO 1.3		6	12	3				21		1.2 TO 1.3		35	34	9				78	
1.1 TO 1.2	24	103	64	10				201		1.1 TO 1.2	65	169	144	1				379	
0.0 TO 0.9	15	239	39	6				299		0.0 TO 0.9	42	81	52	1				176	
0.7 TO 0.0	5	9	4	2				20		0.7 TO 0.0	5	18	5					28	
0.6 TO 0.7										0.6 TO 0.7		1						1	
0.4 TO 0.6										0.4 TO 0.6				1				1	
0.2 TO 0.4										0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (MIN)	32.0	203.9	262.5	10.7				508.0		FLT TIME (MIN)	79.4	410.1	99.0	2.3				1102.7	
Altitude: 25,000 to 30,000 feet										Altitude: 30,000 feet and Above									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL		LOAD FACTOR	LESS THAN	150	200	250	300	350	ABOVE	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ			NZ	150	200	250	300	350	ABOVE	NZ		
ABOVE 2.0										ABOVE 2.0									
2.4 TO 2.0										2.4 TO 2.0									
2.0 TO 2.4										2.0 TO 2.4									
1.0 TO 2.0										1.0 TO 2.0									
1.6 TO 1.0										1.6 TO 1.0									
1.5 TO 1.6										1.5 TO 1.6									
1.5 TO 1.5										1.5 TO 1.5									
1.3 TO 1.4			2					2		1.3 TO 1.4		2						2	
1.2 TO 1.3		16	2					18		1.2 TO 1.3		15						15	
1.1 TO 1.2	4	130	35					177		1.1 TO 1.2	15	169	4				188		
0.0 TO 0.9		62	12					74		0.0 TO 0.9	11	43	2				56		
0.7 TO 0.0		7	2					9		0.7 TO 0.0		6					6		
0.6 TO 0.7		2						2		0.6 TO 0.7									
0.4 TO 0.6										0.4 TO 0.6									
0.2 TO 0.4										0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLT TIME (MIN)	23.2	766.6	267.7					1065.5		FLT TIME (MIN)	542.1	1787.6	110.0				2440.7		

Table 106
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NE	AZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	NE	AZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
		150	200	250	300	350	Above			150	200	250	300	350	Above
ABOVE	2.0							ABOVE	2.0						
2.0 TO 2.4	2.0				2		2	2.0 TO 2.4	2.0			1			
2.4 TO 2.8	2.0				1		1	2.4 TO 2.8	2.0						
2.8 TO 3.2	2.0				1		1	2.8 TO 3.2	2.0						
3.2 TO 3.6	2.0				1		1	3.2 TO 3.6	2.0						
3.6 TO 4.0	2.0				1		1	3.6 TO 4.0	2.0						
4.0 TO 4.4	2.0				1		1	4.0 TO 4.4	2.0						
4.4 TO 4.8	2.0				1		1	4.4 TO 4.8	2.0						
4.8 TO 5.2	2.0				1		1	4.8 TO 5.2	2.0						
5.2 TO 5.6	2.0				1		1	5.2 TO 5.6	2.0						
5.6 TO 6.0	2.0				1		1	5.6 TO 6.0	2.0						
6.0 TO 6.4	2.0				1		1	6.0 TO 6.4	2.0						
6.4 TO 6.8	2.0				1		1	6.4 TO 6.8	2.0						
6.8 TO 7.2	2.0				1		1	6.8 TO 7.2	2.0						
7.2 TO 7.6	2.0				1		1	7.2 TO 7.6	2.0						
7.6 TO 8.0	2.0				1		1	7.6 TO 8.0	2.0						
8.0 TO 8.4	2.0				1		1	8.0 TO 8.4	2.0						
8.4 TO 8.8	2.0				1		1	8.4 TO 8.8	2.0						
8.8 TO 9.2	2.0				1		1	8.8 TO 9.2	2.0						
9.2 TO 9.6	2.0				1		1	9.2 TO 9.6	2.0						
9.6 TO 10.0	2.0				1		1	9.6 TO 10.0	2.0						
10.0 TO 10.4	2.0				1		1	10.0 TO 10.4	2.0						
10.4 TO 10.8	2.0				1		1	10.4 TO 10.8	2.0						
10.8 TO 11.2	2.0				1		1	10.8 TO 11.2	2.0						
11.2 TO 11.6	2.0				1		1	11.2 TO 11.6	2.0						
11.6 TO 12.0	2.0				1		1	11.6 TO 12.0	2.0						
12.0 TO 12.4	2.0				1		1	12.0 TO 12.4	2.0						
12.4 TO 12.8	2.0				1		1	12.4 TO 12.8	2.0						
12.8 TO 13.2	2.0				1		1	12.8 TO 13.2	2.0						
13.2 TO 13.6	2.0				1		1	13.2 TO 13.6	2.0						
13.6 TO 14.0	2.0				1		1	13.6 TO 14.0	2.0						
14.0 TO 14.4	2.0				1		1	14.0 TO 14.4	2.0						
14.4 TO 14.8	2.0				1		1	14.4 TO 14.8	2.0						
14.8 TO 15.2	2.0				1		1	14.8 TO 15.2	2.0						
15.2 TO 15.6	2.0				1		1	15.2 TO 15.6	2.0						
15.6 TO 16.0	2.0				1		1	15.6 TO 16.0	2.0						
16.0 TO 16.4	2.0				1		1	16.0 TO 16.4	2.0						
16.4 TO 16.8	2.0				1		1	16.4 TO 16.8	2.0						
16.8 TO 17.2	2.0				1		1	16.8 TO 17.2	2.0						
17.2 TO 17.6	2.0				1		1	17.2 TO 17.6	2.0						
17.6 TO 18.0	2.0				1		1	17.6 TO 18.0	2.0						
18.0 TO 18.4	2.0				1		1	18.0 TO 18.4	2.0						
18.4 TO 18.8	2.0				1		1	18.4 TO 18.8	2.0						
18.8 TO 19.2	2.0				1		1	18.8 TO 19.2	2.0						
19.2 TO 19.6	2.0				1		1	19.2 TO 19.6	2.0						
19.6 TO 20.0	2.0				1		1	19.6 TO 20.0	2.0						
20.0 TO 20.4	2.0				1		1	20.0 TO 20.4	2.0						
20.4 TO 20.8	2.0				1		1	20.4 TO 20.8	2.0						
20.8 TO 21.2	2.0				1		1	20.8 TO 21.2	2.0						
21.2 TO 21.6	2.0				1		1	21.2 TO 21.6	2.0						
21.6 TO 22.0	2.0				1		1	21.6 TO 22.0	2.0						
22.0 TO 22.4	2.0				1		1	22.0 TO 22.4	2.0						
22.4 TO 22.8	2.0				1		1	22.4 TO 22.8	2.0						
22.8 TO 23.2	2.0				1		1	22.8 TO 23.2	2.0						
23.2 TO 23.6	2.0				1		1	23.2 TO 23.6	2.0						
23.6 TO 24.0	2.0				1		1	23.6 TO 24.0	2.0						
24.0 TO 24.4	2.0				1		1	24.0 TO 24.4	2.0						
24.4 TO 24.8	2.0				1		1	24.4 TO 24.8	2.0						
24.8 TO 25.2	2.0				1		1	24.8 TO 25.2	2.0						
25.2 TO 25.6	2.0				1		1	25.2 TO 25.6	2.0						
25.6 TO 26.0	2.0				1		1	25.6 TO 26.0	2.0						
26.0 TO 26.4	2.0				1		1	26.0 TO 26.4	2.0						
26.4 TO 26.8	2.0				1		1	26.4 TO 26.8	2.0						
26.8 TO 27.2	2.0				1		1	26.8 TO 27.2	2.0						
27.2 TO 27.6	2.0				1		1	27.2 TO 27.6	2.0						
27.6 TO 28.0	2.0				1		1	27.6 TO 28.0	2.0						
28.0 TO 28.4	2.0				1		1	28.0 TO 28.4	2.0						
28.4 TO 28.8	2.0				1		1	28.4 TO 28.8	2.0						
28.8 TO 29.2	2.0				1		1	28.8 TO 29.2	2.0						
29.2 TO 29.6	2.0				1		1	29.2 TO 29.6	2.0						
29.6 TO 30.0	2.0				1		1	29.6 TO 30.0	2.0						
30.0 TO 30.4	2.0				1		1	30.0 TO 30.4	2.0						
30.4 TO 30.8	2.0				1		1	30.4 TO 30.8	2.0						
30.8 TO 31.2	2.0				1		1	30.8 TO 31.2	2.0						
31.2 TO 31.6	2.0				1		1	31.2 TO 31.6	2.0						
31.6 TO 32.0	2.0				1		1	31.6 TO 32.0	2.0						
32.0 TO 32.4	2.0				1		1	32.0 TO 32.4	2.0						
32.4 TO 32.8	2.0				1		1	32.4 TO 32.8	2.0						
32.8 TO 33.2	2.0				1		1	32.8 TO 33.2	2.0						
33.2 TO 33.6	2.0				1		1	33.2 TO 33.6	2.0						
33.6 TO 34.0	2.0				1		1	33.6 TO 34.0	2.0						
34.0 TO 34.4	2.0				1		1	34.0 TO 34.4	2.0						
34.4 TO 34.8	2.0				1		1	34.4 TO 34.8	2.0						
34.8 TO 35.2	2.0				1		1	34.8 TO 35.2	2.0						
35.2 TO 35.6	2.0				1		1	35.2 TO 35.6	2.0						
35.6 TO 36.0	2.0				1		1	35.6 TO 36.0	2.0						
36.0 TO 36.4	2.0				1		1	36.0 TO 36.4	2.0						
36.4 TO 36.8	2.0				1		1	36.4 TO 36.8	2.0						
36.8 TO 37.2	2.0				1		1	36.8 TO 37.2	2.0						
37.2 TO 37.6	2.0				1		1	37.2 TO 37.6	2.0						

Table 107
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ	NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2	2	2	2	3		9	1.2 TO 1.6	1.2			1			1
1.0 TO 1.2	1.0		5	1	4		10	1.0 TO 1.2	1.0			2			2
0.8 TO 1.0	0.8	5	5	9	10		29	0.8 TO 1.0	0.8	1	4	3	3		11
0.6 TO 0.8	0.6	14	20	19	19		72	0.6 TO 0.8	0.6	1		3	9		13
0.4 TO 0.6	0.4	31	54	36	38		160	0.4 TO 0.6	0.4	10	37	22	21		90
0.2 TO 0.4	0.2	161	107	34	39		341	0.2 TO 0.4	0.2	41	95	32	45		213
0.0 TO 0.2	0.0							0.0 TO 0.2	0.0	22	53	75	26		176
BELOW 0.0	0.0							BELOW 0.0	0.0	4	6	5	5		20
FLY TIME (min)		93.8	77.3	178.4	205.8		555.3	FLY TIME (min)		28.0	67.3	86.4	57.7		219.5
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ	NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2							1.2 TO 1.6	1.2						
1.0 TO 1.2	1.0							1.0 TO 1.2	1.0						
0.8 TO 1.0	0.8							0.8 TO 1.0	0.8						
0.6 TO 0.8	0.6							0.6 TO 0.8	0.6						
0.4 TO 0.6	0.4							0.4 TO 0.6	0.4						
0.2 TO 0.4	0.2							0.2 TO 0.4	0.2						
0.0 TO 0.2	0.0							0.0 TO 0.2	0.0						
BELOW 0.0	0.0							BELOW 0.0	0.0						
FLY TIME (min)		2.0	111.7	30.5	3.2		147.3	FLY TIME (min)		60.9	3.5	2.1			66.5
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ	NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2							1.2 TO 1.6	1.2						
1.0 TO 1.2	1.0							1.0 TO 1.2	1.0						
0.8 TO 1.0	0.8							0.8 TO 1.0	0.8						
0.6 TO 0.8	0.6							0.6 TO 0.8	0.6						
0.4 TO 0.6	0.4							0.4 TO 0.6	0.4						
0.2 TO 0.4	0.2							0.2 TO 0.4	0.2						
0.0 TO 0.2	0.0							0.0 TO 0.2	0.0						
BELOW 0.0	0.0							BELOW 0.0	0.0						
FLY TIME (min)		5.6	78.6	7.8	3.2		89.8	FLY TIME (min)		5.7	123.2	289.6	2.0		418.5
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ	NEZ	NEZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NEZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2							1.2 TO 1.6	1.2						
1.0 TO 1.2	1.0							1.0 TO 1.2	1.0						
0.8 TO 1.0	0.8							0.8 TO 1.0	0.8						
0.6 TO 0.8	0.6							0.6 TO 0.8	0.6						
0.4 TO 0.6	0.4							0.4 TO 0.6	0.4						
0.2 TO 0.4	0.2							0.2 TO 0.4	0.2						
0.0 TO 0.2	0.0							0.0 TO 0.2	0.0						
BELOW 0.0	0.0							BELOW 0.0	0.0						
FLY TIME (min)		14.7	230.9	11.0			256.5	FLY TIME (min)		70.1	21.2				91.8

Table 108
C-130B — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8		1					1
1.5 TO 1.6								1.5 TO 1.6			1				1
1.4 TO 1.5				4			4	1.4 TO 1.5				1			1
1.3 TO 1.4				10	2		21	1.3 TO 1.4		1	6	1			8
1.2 TO 1.3	3	7	9	11			30	1.2 TO 1.3	1	4	21	9			35
1.1 TO 1.2	14	25	6	13			58	1.1 TO 1.2	1	12	20	18			51
0.8 TO 0.9	12	15	11	27			65	0.8 TO 0.9		8	14	7			29
0.7 TO 0.8	1	1	7	12			21	0.7 TO 0.8		1	2	3			6
0.6 TO 0.7				2			2	0.6 TO 0.7				1			1
0.4 TO 0.6								0.4 TO 0.6		1					1
0.2 TO 0.4				1			1	0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	5.2	8.7	29.9	20.4			64.2	FLY TIME (MIN)	0.9	13.4	38.4	48.8			101.5
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2				1			1	1.1 TO 1.2							
0.8 TO 0.9		1					1	0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)		17.1	6.5				23.6	FLY TIME (MIN)		5.1	0.9				6.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)		10.0					10.0	FLY TIME (MIN)		10.0	94.0				104.0

Table 109
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	84.0	56.4	22.6	12.4			175.5	FLY TIME (MIN)	60.9	23.7	47.0	18.8			90.6

Altitude: 30, 000 feet and Above							
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLY TIME (MIN)		117.7					117.7

Table 110
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 5000 feet									
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	FLY TIME (MIN)
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		
ABOVE 1.8							ABOVE 1.8						ABOVE 1.8						
1.4 TO 1.8		2	1	2		5	1.4 TO 1.8						1.4 TO 1.8						
1.0 TO 1.4		5	3	11		19	1.0 TO 1.4						1.0 TO 1.4						
0.6 TO 1.0		2	35	75		104	0.6 TO 1.0						0.6 TO 1.0						
0.2 TO 0.6	2	34	86	135		157	0.2 TO 0.6						0.2 TO 0.6						
0.0 TO 0.2		94	234	394		722	0.0 TO 0.2						0.0 TO 0.2						
-0.2 TO -0.0		66	186	1043	1075	2371	-0.2 TO -0.0						-0.2 TO -0.0						
-0.4 TO -0.2	603	421	2815	2979	6	4004	-0.4 TO -0.2						-0.4 TO -0.2						
-0.6 TO -0.4	2046	1893	6217	6138	9	16343	-0.6 TO -0.4						-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						BELOW -1.0						
FLY TIME (MIN)	950.9	785.2	721.2	476.9	0.6	2063.8	FLY TIME (MIN)	477.4	919.7	605.7	168.1	2170.9	FLY TIME (MIN)						
Altitude: 5000 to 10,000 feet										Altitude: 10,000 to 15,000 feet									
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	FLY TIME (MIN)
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		
ABOVE 1.8							ABOVE 1.8						ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						1.0 TO 1.4						
0.6 TO 1.0							0.6 TO 1.0						0.6 TO 1.0						
0.2 TO 0.6							0.2 TO 0.6						0.2 TO 0.6						
0.0 TO 0.2							0.0 TO 0.2						0.0 TO 0.2						
-0.2 TO -0.0							-0.2 TO -0.0						-0.2 TO -0.0						
-0.4 TO -0.2							-0.4 TO -0.2						-0.4 TO -0.2						
-0.6 TO -0.4							-0.6 TO -0.4						-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						BELOW -1.0						
FLY TIME (MIN)	25.0	79.4	9.1			113.5	FLY TIME (MIN)						FLY TIME (MIN)						
Altitude: 15,000 to 20,000 feet										Altitude: 20,000 to 25,000 feet									
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	FLY TIME (MIN)
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		
ABOVE 1.8							ABOVE 1.8						ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						1.0 TO 1.4						
0.6 TO 1.0							0.6 TO 1.0						0.6 TO 1.0						
0.2 TO 0.6							0.2 TO 0.6						0.2 TO 0.6						
0.0 TO 0.2							0.0 TO 0.2						0.0 TO 0.2						
-0.2 TO -0.0							-0.2 TO -0.0						-0.2 TO -0.0						
-0.4 TO -0.2							-0.4 TO -0.2						-0.4 TO -0.2						
-0.6 TO -0.4							-0.6 TO -0.4						-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						BELOW -1.0						
FLY TIME (MIN)	2.9	2.0	57.4			62.3	FLY TIME (MIN)						FLY TIME (MIN)						
Altitude: 25,000 to 30,000 feet										Altitude: 30,000 to 35,000 feet									
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	FLY TIME (MIN)
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350		
ABOVE 1.8							ABOVE 1.8						ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						1.0 TO 1.4						
0.6 TO 1.0							0.6 TO 1.0						0.6 TO 1.0						
0.2 TO 0.6							0.2 TO 0.6						0.2 TO 0.6						
0.0 TO 0.2							0.0 TO 0.2						0.0 TO 0.2						
-0.2 TO -0.0							-0.2 TO -0.0						-0.2 TO -0.0						
-0.4 TO -0.2							-0.4 TO -0.2						-0.4 TO -0.2						
-0.6 TO -0.4							-0.6 TO -0.4						-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						BELOW -1.0						
FLY TIME (MIN)							FLY TIME (MIN)						FLY TIME (MIN)						
	91.0	90.6				181.6													

Table 111
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4				3			3	1.0 TO 1.4							
0.8 TO 1.0			5	17			22	0.8 TO 1.0							
0.6 TO 0.8		4	95	110			209	0.6 TO 0.8							
0.5 TO 0.6	2	16	264	319			601	0.5 TO 0.6							
0.4 TO 0.5	8	87	961	593			1649	0.4 TO 0.5	2	16	20	9			47
0.3 TO 0.4	102	344	3260	2743			6449	0.3 TO 0.4	4	88	130	31			253
0.2 TO 0.3	400	1494	10311	7940			20705	0.2 TO 0.3	30	331	539	101			1001
0.1 TO 0.2	4402	6395	24126	16515			51438	0.1 TO 0.2	256	1393	2029	360			4028
-0.2 TO -0.1	4103	6307	22742	15378			48530	-0.2 TO -0.1	1551	5254	6290	1272			14357
-0.3 TO -0.2	578	1472	9159	6855			18064	-0.3 TO -0.2	1432	5179	4148	1384			14147
-0.4 TO -0.3	56	280	2770	2341			3647	-0.4 TO -0.3	226	1351	1451	411			3639
-0.6 TO -0.4	11	56	1009	1023			2099	-0.6 TO -0.4	41	297	472	111			921
-0.8 TO -0.6		1	74	82			159	-0.8 TO -0.6	4	103	145	46			298
-1.0 TO -0.8			5	12			17	-1.0 TO -0.8		5	7	6			18
BELOW -1.0				1			1	BELOW -1.0		2	2				4
FLT TIME (MIN)	2140.3	1621.0	2638.3	1341.0			7740.6	FLT TIME (MIN)	852.1	1713.1	1545.6	254.7			4389.6
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6			1	5			6	0.5 TO 0.6							
0.4 TO 0.5		1	4	2			7	0.4 TO 0.5							
0.3 TO 0.4		15	37	5			58	0.3 TO 0.4							
0.2 TO 0.3	1	156	195	13			365	0.2 TO 0.3	1	1					2
0.1 TO 0.2	2						366	0.1 TO 0.2	6	2	4				12
-0.2 TO -0.1	3	180	200	2			385	-0.2 TO -0.1	6	2					8
-0.3 TO -0.2	1	18	24	1			44	-0.3 TO -0.2							
-0.4 TO -0.3		4	10				14	-0.4 TO -0.3							
-0.6 TO -0.4			3				3	-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	3.5	202.7	109.3	12.0			327.5	FLT TIME (MIN)	24.0	24.2	4.5				52.8
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4			1				1	0.3 TO 0.4							
0.2 TO 0.3			5				5	0.2 TO 0.3							
0.1 TO 0.2			39	1			40	0.1 TO 0.2							
-0.2 TO -0.1			35	2			37	-0.2 TO -0.1							
-0.3 TO -0.2			3				3	-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	5.7	19.0	189.7	1.6			216.0	FLT TIME (MIN)	5.7	33.7	174.8				224.2
Altitude: 25,000 to 30,000 feet															
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ								
ABOVE 1.0															
1.0 TO 1.4															
0.8 TO 1.0															
0.6 TO 0.8															
0.5 TO 0.6															
0.4 TO 0.5															
0.3 TO 0.4															
0.2 TO 0.3															
0.1 TO 0.2			20				20								
-0.2 TO -0.1			12				12								
-0.3 TO -0.2															
-0.4 TO -0.3															
-0.6 TO -0.4															
-0.8 TO -0.6															
-1.0 TO -0.8															
BELOW -1.0															
FLT TIME (MIN)		37.0	233.1				270.1								

Table 112
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.4							0.5 TO 0.4						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)							FLY TIME (MIN)						
	1516.3	1213.3	2410.8	1988.7		7129.1		565.3	1334.5	1351.9	265.9		3517.6
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.4							0.5 TO 0.4						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	1.8	40.2	119.6	19.3		170.9	FLY TIME (MIN)	83.1	4.9	3.8			91.8
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.4							0.5 TO 0.4						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	35.9	132.7	8.6			177.2	FLY TIME (MIN)	36.5	200.1				322.6
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 to 35,000 feet						
LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA ΔZ	EQUIVALENT AIRSPEED - VE (KNOTS)					
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.4							0.5 TO 0.4						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	15.9	134.1				150.0	FLY TIME (MIN)						

Table 113
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0				3			3	0.8 TO 1.0							
0.6 TO 0.8			16	21			37	0.6 TO 0.8		1	1				2
0.5 TO 0.6	1	3	32	75			111	0.5 TO 0.6		5	5	4			9
0.4 TO 0.5	5	20	206	231			462	0.4 TO 0.5		3	16	17			36
0.3 TO 0.4	25	96	679	649			1469	0.3 TO 0.4		10	72	66	1		149
0.2 TO 0.3	138	460	2763	2316			5677	0.2 TO 0.3	34	160	426	252	4		876
0.1 TO 0.2	835	1873	6423	5473			14604	0.1 TO 0.2	311	920	1556	1024	16		3927
-0.2 TO -0.1	817	1499	6331	5335			14382	-0.2 TO -0.1	369	933	1543	1088	8		3821
-0.3 TO -0.2	107	403	2325	2098			4923	-0.3 TO -0.2	61	165	377	306	6		895
-0.4 TO -0.3	17	84	607	570			1273	-0.4 TO -0.3	1	25	77	65	2		175
-0.6 TO -0.4	1	10	129	202			342	-0.6 TO -0.4		5	21	13	1		40
-0.8 TO -0.6			5	8			13	-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0							1	BELOW -1.0							
FLY TIME (MIN)	345.4	485.0	829.8	519.2			2179.4	FLY TIME (MIN)	132.5	268.5	365.1	219.7	1.5		987.4
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3			1	2			3	0.2 TO 0.3							
0.1 TO 0.2		2	3	17			22	0.1 TO 0.2		7					7
-0.2 TO -0.1		9	2	16			27	-0.2 TO -0.1		5	1				6
-0.3 TO -0.2				1			1	-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		44.3	13.8	12.5			69.8	FLY TIME (MIN)	8.9	27.0	34.8	14.9			85.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2		5	10				15	0.1 TO 0.2		4	46				50
-0.2 TO -0.1		5	7				12	-0.2 TO -0.1		11	394				405
-0.3 TO -0.2			2				2	-0.3 TO -0.2		2	55				57
-0.4 TO -0.3								-0.4 TO -0.3			14				14
-0.6 TO -0.4								-0.6 TO -0.4			5				5
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		59.7	45.7				105.4	FLY TIME (MIN)	2.0	60.3	241.2				303.5
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2		36	156				192	0.1 TO 0.2							
-0.2 TO -0.1		35	176				211	-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		43.8	131.8				175.6	FLY TIME (MIN)		20.7					20.7

Table 114
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 10000 feet							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6			1				1	0.5 TO 0.6							
0.4 TO 0.5				2	4		6	0.4 TO 0.5							
0.3 TO 0.4			13	14			27	0.3 TO 0.4							
0.2 TO 0.3		3	32	105	194		234	0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1	1	28	133	140			302	-0.2 TO -0.1							
-0.3 TO -0.2	1	6	20	27			54	-0.3 TO -0.2							
-0.4 TO -0.3				1			1	-0.4 TO -0.3							
-0.5 TO -0.4				1	1		2	-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	11.4	11.4	13.4	12.9			54.6	FLT TIME (MIN)							
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2				4	4		8	0.1 TO 0.2							
-0.2 TO -0.1		2	7	3			12	-0.2 TO -0.1							
-0.3 TO -0.2							2	-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.5 TO -0.4								-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	10.5	6.5	1.0				23.9	FLT TIME (MIN)							
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2		2					2	0.1 TO 0.2							
-0.2 TO -0.1		1					1	-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.5 TO -0.4								-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	14.0						14.0	FLT TIME (MIN)							
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.5 TO -0.4								-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	7.3	24.5	12.1				44.0	FLT TIME (MIN)							

Table 115
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150		150 TO 200	200 TO 250	250 TO 300	300 TO 350			
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3	1						0.2 TO 0.3						
0.1 TO 0.2	11						0.1 TO 0.2						
	110												
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.5 TO -0.4							-0.5 TO -0.4						
-0.6 TO -0.5							-0.6 TO -0.5						
-0.7 TO -0.6							-0.7 TO -0.6						
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
FLY TIME (MIN)	45.3	12.0	4.2			61.7	FLY TIME (MIN)	35.7	74.8	30.5	2.5		143.5
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150		150 TO 200	200 TO 250	250 TO 300	300 TO 350			
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.5 TO -0.4							-0.5 TO -0.4						
-0.6 TO -0.5							-0.6 TO -0.5						
-0.7 TO -0.6							-0.7 TO -0.6						
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
FLY TIME (MIN)	6.1	78.5	43.8	2.7		125.1	FLY TIME (MIN)	10.0	32.7	13.4			53.1
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150		150 TO 200	200 TO 250	250 TO 300	300 TO 350			
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.5 TO -0.4							-0.5 TO -0.4						
-0.6 TO -0.5							-0.6 TO -0.5						
-0.7 TO -0.6							-0.7 TO -0.6						
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
FLY TIME (MIN)	7.9	113.0	4.1			125.0	FLY TIME (MIN)	15.7	147.1	0.9			163.7
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 feet and Above						
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA N2		350 AND ABOVE
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	LESS THAN 150		150 TO 200	200 TO 250	250 TO 300	300 TO 350			
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.5 TO -0.4							-0.5 TO -0.4						
-0.6 TO -0.5							-0.6 TO -0.5						
-0.7 TO -0.6							-0.7 TO -0.6						
-0.8 TO -0.7							-0.8 TO -0.7						
-0.9 TO -0.8							-0.9 TO -0.8						
-1.0 TO -0.9							-1.0 TO -0.9						
FLY TIME (MIN)	42.5	72.8				115.3	FLY TIME (MIN)	16.9	1.4				18.2

Table 116
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ	LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
1.8 TO 2.0								1.8 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
2.8 TO 3.0								2.8 TO 3.0							
3.0 TO 3.4								3.0 TO 3.4							
3.4 TO 3.8								3.4 TO 3.8							
3.8 TO 4.0								3.8 TO 4.0							
4.0 TO 4.4								4.0 TO 4.4							
4.4 TO 4.8								4.4 TO 4.8							
4.8 TO 5.0								4.8 TO 5.0							
5.0 TO 5.4								5.0 TO 5.4							
5.4 TO 5.8								5.4 TO 5.8							
5.8 TO 6.0								5.8 TO 6.0							
6.0 TO 6.4								6.0 TO 6.4							
6.4 TO 6.8								6.4 TO 6.8							
6.8 TO 7.0								6.8 TO 7.0							
7.0 TO 7.4								7.0 TO 7.4							
7.4 TO 7.8								7.4 TO 7.8							
7.8 TO 8.0								7.8 TO 8.0							
8.0 TO 8.4								8.0 TO 8.4							
8.4 TO 8.8								8.4 TO 8.8							
8.8 TO 9.0								8.8 TO 9.0							
9.0 TO 9.4								9.0 TO 9.4							
9.4 TO 9.8								9.4 TO 9.8							
9.8 TO 10.0								9.8 TO 10.0							
10.0 TO 10.4								10.0 TO 10.4							
10.4 TO 10.8								10.4 TO 10.8							
10.8 TO 11.0								10.8 TO 11.0							
11.0 TO 11.4								11.0 TO 11.4							
11.4 TO 11.8								11.4 TO 11.8							
11.8 TO 12.0								11.8 TO 12.0							
12.0 TO 12.4								12.0 TO 12.4							
12.4 TO 12.8								12.4 TO 12.8							
12.8 TO 13.0								12.8 TO 13.0							
13.0 TO 13.4								13.0 TO 13.4							
13.4 TO 13.8								13.4 TO 13.8							
13.8 TO 14.0								13.8 TO 14.0							
14.0 TO 14.4								14.0 TO 14.4							
14.4 TO 14.8								14.4 TO 14.8							
14.8 TO 15.0								14.8 TO 15.0							
15.0 TO 15.4								15.0 TO 15.4							
15.4 TO 15.8								15.4 TO 15.8							
15.8 TO 16.0								15.8 TO 16.0							
16.0 TO 16.4								16.0 TO 16.4							
16.4 TO 16.8								16.4 TO 16.8							
16.8 TO 17.0								16.8 TO 17.0							
17.0 TO 17.4								17.0 TO 17.4							
17.4 TO 17.8								17.4 TO 17.8							
17.8 TO 18.0								17.8 TO 18.0							
18.0 TO 18.4								18.0 TO 18.4							
18.4 TO 18.8								18.4 TO 18.8							
18.8 TO 19.0								18.8 TO 19.0							
19.0 TO 19.4								19.0 TO 19.4							
19.4 TO 19.8								19.4 TO 19.8							
19.8 TO 20.0								19.8 TO 20.0							
20.0 TO 20.4								20.0 TO 20.4							
20.4 TO 20.8								20.4 TO 20.8							
20.8 TO 21.0								20.8 TO 21.0							
21.0 TO 21.4								21.0 TO 21.4							
21.4 TO 21.8								21.4 TO 21.8							
21.8 TO 22.0								21.8 TO 22.0							
22.0 TO 22.4								22.0 TO 22.4							
22.4 TO 22.8								22.4 TO 22.8							
22.8 TO 23.0								22.8 TO 23.0							
23.0 TO 23.4								23.0 TO 23.4							
23.4 TO 23.8								23.4 TO 23.8							
23.8 TO 24.0								23.8 TO 24.0							
24.0 TO 24.4								24.0 TO 24.4							
24.4 TO 24.8								24.4 TO 24.8							
24.8 TO 25.0								24.8 TO 25.0							
25.0 TO 25.4								25.0 TO 25.4							
25.4 TO 25.8								25.4 TO 25.8							
25.8 TO 26.0								25.8 TO 26.0							
26.0 TO 26.4								26.0 TO 26.4							
26.4 TO 26.8								26.4 TO 26.8							
26.8 TO 27.0								26.8 TO 27.0							
27.0 TO 27.4								27.0 TO 27.4							
27.4 TO 27.8								27.4 TO 27.8							
27.8 TO 28.0								27.8 TO 28.0							
28.0 TO 28.4								28.0 TO 28.4							
28.4 TO 28.8								28.4 TO 28.8							
28.8 TO 29.0								28.8 TO 29.0							
29.0 TO 29.4								29.0 TO 29.4							
29.4 TO 29.8								29.4 TO 29.8							
29.8 TO 30.0								29.8 TO 30.0							
30.0 TO 30.4								30.0 TO 30.4							
30.4 TO 30.8								30.4 TO 30.8							
30.8 TO 31.0								30.8 TO 31.0							
31.0 TO 31.4								31.0 TO 31.4							
31.4 TO 31.8								31.4 TO 31.8							
31.8 TO 32.0								31.8 TO 32.0							
32.0 TO 32.4								32.0 TO 32.4							
32.4 TO 32.8								32.4 TO 32.8							
32.8 TO 33.0								32.8 TO 33.0							
33.0 TO 33.4								33.0 TO 33.4							
33.4 TO 33.8								33.4 TO 33.8							
33.8 TO 34.0								33.8 TO 34.0							
34.0 TO 34.4								34.0 TO 34.4							
34.4 TO 34.8								34.4 TO 34.8							
34.8 TO 35.0								34.8 TO 35.0							
35.0 TO 35.4								35.0 TO 35.4							
35.4 TO 35.8								35.4 TO 35.8							
35.8 TO 36.0								35.8 TO 36.0							
36.0 TO 36.4								36.0 TO 36.4							
36.4 TO 36.8								36.4 TO 36.8							
36.8 TO 37.0								36.8 TO 37.0							
37.0 TO 37.4								37.0 TO 37.4							
37.4 TO 37.8								37.4 TO 37.8							
37.8 TO 38.0								37.8 TO 38.0							
38.0 TO 38.4								38.0 TO 38.4							
38.4 TO 38.8								38.4 TO 38.8							
38.8 TO 39.0								38.8 TO 39.0							
39.0 TO 39.4								39.0 TO 39.4							
39.4 TO 39.8								39.4 TO 39.8							
39.8 TO 40.0								39.8 TO 40.0							
40.0 TO 40.4								40.0 TO 40.4							
40.4 TO 40.8								40.4 TO 40.8							
40.8 TO 41.0								40.8 TO 41.0							
41.0 TO 41.4								41.0 TO 41.4							
41.4 TO 41.8								41.4 TO 41.8							
41.8 TO 42.0								41.8 TO 42.0							
42.0 TO 42.4								42.0 TO 42.4							
42.4 TO 42.8								42.4 TO 42.8							
42.8 TO 43.0								42.8 TO 43.0							
43.0 TO 43.4								43.0 TO 43.4							
43.4 TO 43.8								43.4 TO 43.8							
43.8 TO 44.0								43.8 TO 44.0							

Table 117

**C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 95,000 to 105,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0				1			1	1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0				1			1	0.8 TO 1.0							
0.6 TO 0.8	1	2	14	17			34	0.6 TO 0.8		1	9	3			13
0.5 TO 0.6	3	7	51	60			121	0.5 TO 0.6		7	35	14			56
0.4 TO 0.5	11	35	210	212	1		469	0.4 TO 0.5	37	20	111	30			177
0.3 TO 0.4	74	140	710	735	4		1671	0.3 TO 0.4	114	303	156				610
0.2 TO 0.3	497	700	2641	2927	13		5878	0.2 TO 0.3	250	651	1899	520	1		3261
0.1 TO 0.2	3010	2759	7394	4117	34		17327	0.1 TO 0.2	1394	2710	5121	1315	15		10563
-0.2 TO -0.1	2550	2250	7361	4274	34		16470	-0.2 TO -0.1	1310	2605	5265	1372	14		10566
-0.3 TO -0.2	312	463	2374	1951	0		5100	-0.3 TO -0.2	203	505	1499	499	1		2707
-0.4 TO -0.3	39	85	567	612	3		1306	-0.4 TO -0.3	22	43	305	130	1		609
-0.5 TO -0.4	10	19	164	199	2		396	-0.5 TO -0.4	2	20	117	46			185
-0.6 TO -0.5	1		9	10			20	-0.6 TO -0.5			4	6			10
-0.7 TO -0.6								-0.7 TO -0.6			1				1
FLY TIME (min)	1375.4	806.7	1685.1	400.9	5.2		3673.4	FLY TIME (min)	650.2	1284.0	1209.2	247.7	1.0		3792.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8	1	2	2	1			4	0.6 TO 0.8			1				1
0.5 TO 0.6		2	4	3			11	0.5 TO 0.6		4	1				5
0.4 TO 0.5		7	38	7			52	0.4 TO 0.5		2	19				21
0.3 TO 0.4	1	30	145	20			196	0.3 TO 0.4		3	53	3			59
0.2 TO 0.3	22	155	549	91	3		840	0.2 TO 0.3	3	27	194	17			236
0.1 TO 0.2	114	674	2472	340	9		3609	0.1 TO 0.2	3	192	933	106			1234
-0.2 TO -0.1	42	404	2524	367	3		3640	-0.2 TO -0.1	4	230	807	99			1142
-0.3 TO -0.2	4	120	150	80			262	-0.3 TO -0.2	1	24	155	21			261
-0.4 TO -0.3	1	34	123	17			175	-0.4 TO -0.3		13	48				61
-0.5 TO -0.4		4	39	10			55	-0.5 TO -0.4		3	27				30
-0.6 TO -0.5		1	2				3	-0.6 TO -0.5			2				2
-0.7 TO -0.6			3				3	-0.7 TO -0.6							
FLY TIME (min)	43.2	840.1	1334.1	314.3	1.6		2533.4	FLY TIME (min)	72.5	704.7	1481.4	209.6	0.3		2610.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8			1				1	0.6 TO 0.8			1				1
0.5 TO 0.6		2	3	1			6	0.5 TO 0.6			2				2
0.4 TO 0.5		1	14	1			16	0.4 TO 0.5		8	34				42
0.3 TO 0.4		8	50	11			69	0.3 TO 0.4		61	133				194
0.2 TO 0.3	19	100	435	49			610	0.2 TO 0.3	10	677	1145	4			1836
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1	4	103	305	30			540	-0.2 TO -0.1	6	622	943	8			1579
-0.3 TO -0.2	6	12	69	2			87	-0.3 TO -0.2		30	100	2			132
-0.4 TO -0.3			11				11	-0.4 TO -0.3		6	27				33
-0.5 TO -0.4			2	1			3	-0.5 TO -0.4		1	15				16
-0.6 TO -0.5								-0.6 TO -0.5			1				1
-0.7 TO -0.6								-0.7 TO -0.6							
FLY TIME (min)	32.3	775.9	2191.8	163.5			3163.6	FLY TIME (min)	60.3	2914.6	4531.1	77.5			6683.5
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2	LOAD FACTOR DELTA #2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA #2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6		1					1	0.5 TO 0.6		1					1
0.4 TO 0.5		6	2				10	0.4 TO 0.5		2					2
0.3 TO 0.4		21	2				23	0.3 TO 0.4		8	3				11
0.2 TO 0.3	8	70	27				105	0.2 TO 0.3		30	17				47
0.1 TO 0.2	10	767	417				1202	0.1 TO 0.2	4	315	73				392
-0.2 TO -0.1	14	803	309				1126	-0.2 TO -0.1	24	293	100				417
-0.3 TO -0.2	8	67	20				105	-0.3 TO -0.2		23	12				35
-0.4 TO -0.3	5	9					14	-0.4 TO -0.3		4	2				6
-0.5 TO -0.4	1	0					1	-0.5 TO -0.4		5					5
-0.6 TO -0.5			1				1	-0.6 TO -0.5							
-0.7 TO -0.6								-0.7 TO -0.6							
FLY TIME (min)	34.2	6076.4	3570.4	1.0			11680.0	FLY TIME (min)	300.2	2297.0	627.0				3234.2

Table 118

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Table 119
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.0 TO 1.4							1.0 TO 1.4						
1.4 TO 1.8							1.4 TO 1.8						
1.8 TO 2.2							1.8 TO 2.2						
2.2 TO 2.6							2.2 TO 2.6						
2.6 TO 3.0							2.6 TO 3.0						
3.0 TO 3.4							3.0 TO 3.4						
3.4 TO 3.8							3.4 TO 3.8						
3.8 TO 4.2							3.8 TO 4.2						
4.2 TO 4.6							4.2 TO 4.6						
4.6 TO 5.0							4.6 TO 5.0						
5.0 TO 5.4							5.0 TO 5.4						
5.4 TO 5.8							5.4 TO 5.8						
5.8 TO 6.2							5.8 TO 6.2						
6.2 TO 6.6							6.2 TO 6.6						
6.6 TO 7.0							6.6 TO 7.0						
7.0 TO 7.4							7.0 TO 7.4						
7.4 TO 7.8							7.4 TO 7.8						
7.8 TO 8.2							7.8 TO 8.2						
8.2 TO 8.6							8.2 TO 8.6						
8.6 TO 9.0							8.6 TO 9.0						
9.0 TO 9.4							9.0 TO 9.4						
9.4 TO 9.8							9.4 TO 9.8						
9.8 TO 10.2							9.8 TO 10.2						
10.2 TO 10.6							10.2 TO 10.6						
10.6 TO 11.0							10.6 TO 11.0						
11.0 TO 11.4							11.0 TO 11.4						
11.4 TO 11.8							11.4 TO 11.8						
11.8 TO 12.2							11.8 TO 12.2						
12.2 TO 12.6							12.2 TO 12.6						
12.6 TO 13.0							12.6 TO 13.0						
13.0 TO 13.4							13.0 TO 13.4						
13.4 TO 13.8							13.4 TO 13.8						
13.8 TO 14.2							13.8 TO 14.2						
14.2 TO 14.6							14.2 TO 14.6						
14.6 TO 15.0							14.6 TO 15.0						
15.0 TO 15.4							15.0 TO 15.4						
15.4 TO 15.8							15.4 TO 15.8						
15.8 TO 16.2							15.8 TO 16.2						
16.2 TO 16.6							16.2 TO 16.6						
16.6 TO 17.0							16.6 TO 17.0						
17.0 TO 17.4							17.0 TO 17.4						
17.4 TO 17.8							17.4 TO 17.8						
17.8 TO 18.2							17.8 TO 18.2						
18.2 TO 18.6							18.2 TO 18.6						
18.6 TO 19.0							18.6 TO 19.0						
19.0 TO 19.4							19.0 TO 19.4						
19.4 TO 19.8							19.4 TO 19.8						
19.8 TO 20.2							19.8 TO 20.2						
20.2 TO 20.6							20.2 TO 20.6						
20.6 TO 21.0							20.6 TO 21.0						
21.0 TO 21.4							21.0 TO 21.4						
21.4 TO 21.8							21.4 TO 21.8						
21.8 TO 22.2							21.8 TO 22.2						
22.2 TO 22.6							22.2 TO 22.6						
22.6 TO 23.0							22.6 TO 23.0						
23.0 TO 23.4							23.0 TO 23.4						
23.4 TO 23.8							23.4 TO 23.8						
23.8 TO 24.2							23.8 TO 24.2						
24.2 TO 24.6							24.2 TO 24.6						
24.6 TO 25.0							24.6 TO 25.0						
25.0 TO 25.4							25.0 TO 25.4						
25.4 TO 25.8							25.4 TO 25.8						
25.8 TO 26.2							25.8 TO 26.2						
26.2 TO 26.6							26.2 TO 26.6						
26.6 TO 27.0							26.6 TO 27.0						
27.0 TO 27.4							27.0 TO 27.4						
27.4 TO 27.8							27.4 TO 27.8						
27.8 TO 28.2							27.8 TO 28.2						
28.2 TO 28.6							28.2 TO 28.6						
28.6 TO 29.0							28.6 TO 29.0						
29.0 TO 29.4							29.0 TO 29.4						
29.4 TO 29.8							29.4 TO 29.8						
29.8 TO 30.2							29.8 TO 30.2						
30.2 TO 30.6							30.2 TO 30.6						
30.6 TO 31.0							30.6 TO 31.0						
31.0 TO 31.4							31.0 TO 31.4						
31.4 TO 31.8							31.4 TO 31.8						
31.8 TO 32.2							31.8 TO 32.2						
32.2 TO 32.6							32.2 TO 32.6						
32.6 TO 33.0							32.6 TO 33.0						
33.0 TO 33.4							33.0 TO 33.4						
33.4 TO 33.8							33.4 TO 33.8						
33.8 TO 34.2							33.8 TO 34.2						
34.2 TO 34.6							34.2 TO 34.6						
34.6 TO 35.0							34.6 TO 35.0						
35.0 TO 35.4							35.0 TO 35.4						
35.4 TO 35.8							35.4 TO 35.8						
35.8 TO 36.2							35.8 TO 36.2						
36.2 TO 36.6							36.2 TO 36.6						
36.6 TO 37.0							36.6 TO 37.0						
37.0 TO 37.4							37.0 TO 37.4						
37.4 TO 37.8							37.4 TO 37.8						
37.8 TO 38.2							37.8 TO 38.2						
38.2 TO 38.6							38.2 TO 38.6						
38.6 TO 39.0							38.6 TO 39.0						
39.0 TO 39.4							39.0 TO 39.4						
39.4 TO 39.8							39.4 TO 39.8						
39.8 TO 40.2							39.8 TO 40.2						
40.2 TO 40.6							40.2 TO 40.6						
40.6 TO 41.0							40.6 TO 41.0						
41.0 TO 41.4							41.0 TO 41.4						
41.4 TO 41.8							41.4 TO 41.8						
41.8 TO 42.2							41.8 TO 42.2						
42.2 TO 42.6							42.2 TO 42.6						
42.6 TO 43.0							42.6 TO 43.0						
43.0 TO 43.4							43.0 TO 43.4						
43.4 TO 43.8							43.4 TO 43.8						
43.8 TO 44.2							43.8 TO 44.2						
44.2 TO 44.6							44.2 TO 44.6						
44.6 TO 45.0							44.6 TO 45.0						
45.0 TO 45.4							45.0 TO 45.4						
45.4 TO 45.8							45.4 TO 45.8						
45.8 TO 46.2							45.8 TO 46.2						
46.2 TO 46.6							46.2 TO 46.6						
46.6 TO 47.0							46.6 TO 47.0						
47.0 TO 47.4							47.0 TO 47.4						
47.4 TO 47.8							47.4 TO 47.8						
47.8 TO 48.2							47.8 TO 48.2						
48.2 TO 48.6							48.2 TO 48.6						
48.6 TO 49.0							48.6 TO 49.0						
49.0 TO 49.4							49.0 TO 49.4						
49.4 TO 49.8							49.4 TO 49.8						
49.8 TO 50.2							49.8 TO 50.2						
50.2 TO 50.6							50.2 TO 50.6						
50.6 TO 51.0							50.6 TO 51.0						
51.0 TO 51.4							51.0 TO 51.4						
51.4 TO 51.8							51.4 TO 51.8						
51.8 TO 52.2							51.8 TO 52.2						
52.2 TO 52.6							52.2 TO 52.6						
52.6 TO 53.0							52.6 TO 53.0						
53.0 TO 53.4							53.0 TO 53.4						
53.4 TO 53.8							53.4 TO 53.8						
53.8 TO 54.2							53.8 TO 54.2						
54.2 TO 54.6							54.2 TO 54.6						
54.6 TO 55.0							54.6 TO 55.0						
55.0 TO 55.4							55.0 TO 55.4						
55.4 TO 55.8							55.4 TO 55.8						
55.8 TO 56.2							55.8 TO 56.2						
56.2 TO 56.6							56.2 TO 56.6						
56.6 TO 57.0							56.6 TO 57.0						
57.0 TO 57.4							57.0 TO 57.4						
57.4 TO 57.8							57.4 TO 57.8	</					

Altitude: 0 to 2000 feet

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Table 121

**C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 75,000 to 85,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ	DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ
ABOVE 1.0							ABOVE 1.0								
1.4 TO 1.0							1.4 TO 1.0								
1.0 TO 1.4							1.0 TO 1.4								
0.8 TO 1.0							0.8 TO 1.0								
0.6 TO 0.8							0.6 TO 0.8								
0.5 TO 0.6							0.5 TO 0.6								
0.4 TO 0.5							0.4 TO 0.5								
0.3 TO 0.4							0.3 TO 0.4								
0.2 TO 0.3							0.2 TO 0.3								
0.1 TO 0.2							0.1 TO 0.2								
-0.2 TO -0.1							-0.2 TO -0.1								
-0.3 TO -0.2							-0.3 TO -0.2								
-0.4 TO -0.3							-0.4 TO -0.3								
-0.6 TO -0.4							-0.6 TO -0.4								
-0.8 TO -0.6							-0.8 TO -0.6								
-1.0 TO -0.8							-1.0 TO -0.8								
BELOW -1.0							BELOW -1.0								
FLT TIME (MIN)	150.7	121.6	26.9	57.1		356.3	FLT TIME (MIN)	52.3	50.9	57.0	24.8			199.6	

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ	DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ
ABOVE 1.0							ABOVE 1.0								
1.4 TO 1.0							1.4 TO 1.0								
1.0 TO 1.4							1.0 TO 1.4								
0.8 TO 1.0							0.8 TO 1.0								
0.6 TO 0.8							0.6 TO 0.8								
0.5 TO 0.6							0.5 TO 0.6								
0.4 TO 0.5							0.4 TO 0.5								
0.3 TO 0.4							0.3 TO 0.4								
0.2 TO 0.3							0.2 TO 0.3								
0.1 TO 0.2							0.1 TO 0.2								
-0.2 TO -0.1							-0.2 TO -0.1								
-0.3 TO -0.2							-0.3 TO -0.2								
-0.4 TO -0.3							-0.4 TO -0.3								
-0.6 TO -0.4							-0.6 TO -0.4								
-0.8 TO -0.6							-0.8 TO -0.6								
-1.0 TO -0.8							-1.0 TO -0.8								
BELOW -1.0							BELOW -1.0								
FLT TIME (MIN)	0.3	57.4	3.5			61.2	FLT TIME (MIN)	1.4	2.6					3.7	

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ	DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ
ABOVE 1.0							ABOVE 1.0								
1.4 TO 1.0							1.4 TO 1.0								
1.0 TO 1.4							1.0 TO 1.4								
0.8 TO 1.0							0.8 TO 1.0								
0.6 TO 0.8							0.6 TO 0.8								
0.5 TO 0.6							0.5 TO 0.6								
0.4 TO 0.5							0.4 TO 0.5								
0.3 TO 0.4							0.3 TO 0.4								
0.2 TO 0.3							0.2 TO 0.3								
0.1 TO 0.2							0.1 TO 0.2								
-0.2 TO -0.1							-0.2 TO -0.1								
-0.3 TO -0.2							-0.3 TO -0.2								
-0.4 TO -0.3							-0.4 TO -0.3								
-0.6 TO -0.4							-0.6 TO -0.4								
-0.8 TO -0.6							-0.8 TO -0.6								
-1.0 TO -0.8							-1.0 TO -0.8								
BELOW -1.0							BELOW -1.0								
FLT TIME (MIN)	0.3	0.9	30.5			39.8	FLT TIME (MIN)	4.2						4.2	

Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL		LOAD FACTOR		EQUIVALENT		AIRSPEED - VE (KNOTS)		TOTAL	
DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ	DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA MZ
ABOVE 1.0							ABOVE 1.0								
1.4 TO 1.0							1.4 TO 1.0								
1.0 TO 1.4							1.0 TO 1.4								
0.8 TO 1.0							0.8 TO 1.0								
0.6 TO 0.8							0.6 TO 0.8								
0.5 TO 0.6							0.5 TO 0.6								
0.4 TO 0.5							0.4 TO 0.5								
0.3 TO 0.4							0.3 TO 0.4								
0.2 TO 0.3							0.2 TO 0.3								
0.1 TO 0.2							0.1 TO 0.2								
-0.2 TO -0.1							-0.2 TO -0.1								
-0.3 TO -0.2							-0.3 TO -0.2								
-0.4 TO -0.3							-0.4 TO -0.3								
-0.6 TO -0.4							-0.6 TO -0.4								
-0.8 TO -0.6							-0.8 TO -0.6								
-1.0 TO -0.8							-1.0 TO -0.8								
BELOW -1.0							BELOW -1.0								
FLT TIME (MIN)	3.1					3.1	FLT TIME (MIN)	22.0						22.0	

Table 122
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	549.4	454.0	523.2	321.0		1088.6		373.0	385.5	528.9	195.9	0.2	1483.6

Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	21.2	56.4	172.4	85.8		336.3		2.8	54.6	111.2	37.9		206.5

Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	8.0	37.9	204.7	20.7		271.3		1.5	156.3	462.2	3.0		623.0

Altitude: 25,000 to 30,000 feet							Altitude: 30,000 feet and Above						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)							FLT TIME (MIN)						
	179.4	158.9				338.3		157.4	718.2	23.9			899.5

Table 123

**C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 95, 000 to 105, 000 lb.**

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)							FLY TIME (MIN)						
	1313.9	866.5	1176.0	332.5		3689.0		572.5	1044.0	1228.3	328.1	3.2	3176.1
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	6.7	282.7	356.0	221.2	1.0	1065.6	FLY TIME (MIN)	4.9	242.4	463.0	134.6		850.7
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	32.0	283.6	262.5	13.7		588.9	FLY TIME (MIN)	79.4	418.1	493.0	1.3		1192.7
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 feet and Above						
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	23.2	796.6	243.7			1065.5	FLY TIME (MIN)	542.1	1787.6	110.0			2439.7

Table 124
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)					
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)								FLY TIME (MIN)							
	659.3	571.8	802.2	452.2			2485.5		235.4	446.2	600.7	137.3	1.4		1671.1
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)					
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)								FLY TIME (MIN)							
	2.5	257.3	402.0	118.0			871.8		13.7	320.7	201.0	25.9			567.2
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)					
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)								FLY TIME (MIN)							
	36.3	204.6	200.2	21.1			562.2		12.0	300.2	207.9				1291.1
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)					
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)								FLY TIME (MIN)							
	0.7	1090.8	174.7				1266.2		110.9	207.6	30.0				1338.5

Table 125
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115,000 to 125,000 lb.

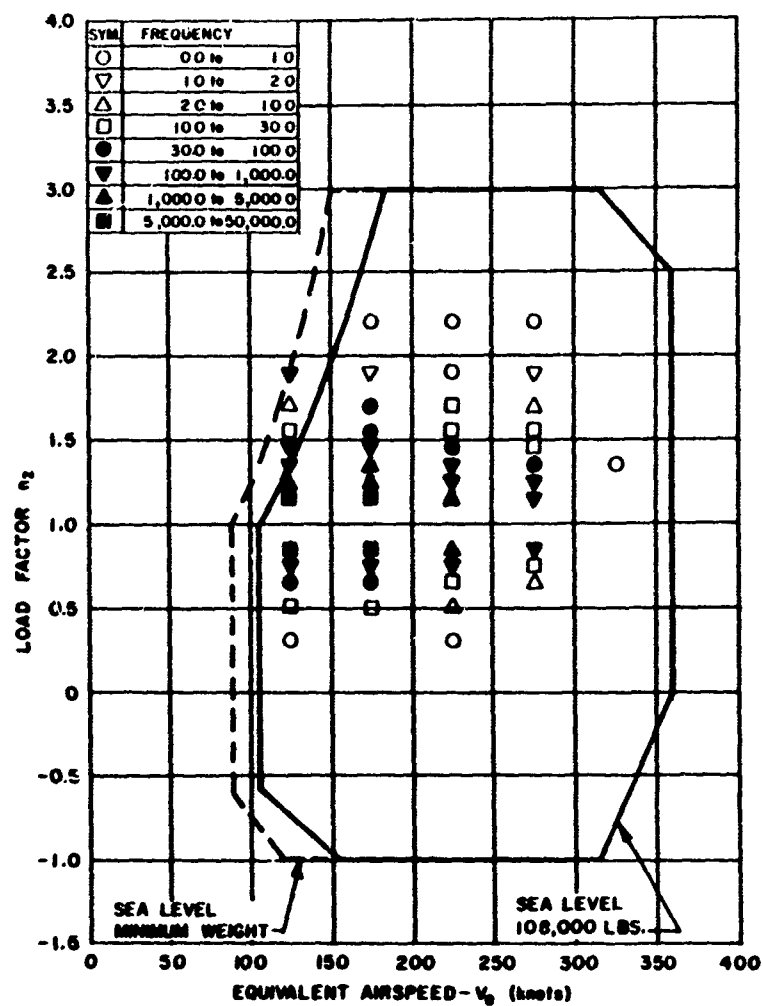
Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.6								1.6 TO 1.8							
0.0 TO 0.4								0.4 TO 0.8							
0.4 TO 0.6								0.6 TO 0.8							
0.6 TO 0.8								0.8 TO 1.0							
0.8 TO 0.9								0.9 TO 1.0							
0.9 TO 0.6								0.6 TO 0.4							
0.6 TO 0.5								0.5 TO 0.4							
0.5 TO 0.4								0.4 TO 0.3							
0.4 TO 0.3								0.3 TO 0.2							
0.3 TO 0.2								0.2 TO 0.1							
0.2 TO 0.1								0.1 TO 0.0							
0.1 TO 0.0								0.0 TO -0.1							
-0.2 TO -0.1								-0.1 TO -0.2							
-0.3 TO -0.2								-0.2 TO -0.3							
-0.4 TO -0.3								-0.3 TO -0.4							
-0.6 TO -0.4								-0.4 TO -0.6							
-0.6 TO -0.6								-0.6 TO -0.8							
-1.0 TO -0.8								-0.8 TO -1.0							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)								FLT TIME (MIN)							
	73.8	77.3	179.4	205.8			595.3		26.0	37.3	66.4	57.7			217.5
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.6								1.6 TO 1.8							
0.0 TO 0.4								0.4 TO 0.8							
0.4 TO 0.6								0.6 TO 0.8							
0.6 TO 0.8								0.8 TO 1.0							
0.8 TO 0.9								0.9 TO 1.0							
0.9 TO 0.6								0.6 TO 0.4							
0.6 TO 0.5								0.5 TO 0.4							
0.5 TO 0.4								0.4 TO 0.3							
0.4 TO 0.3								0.3 TO 0.2							
0.3 TO 0.2								0.2 TO 0.1							
0.2 TO 0.1								0.1 TO 0.0							
0.1 TO 0.0								0.0 TO -0.1							
-0.2 TO -0.1								-0.1 TO -0.2							
-0.3 TO -0.2								-0.2 TO -0.3							
-0.4 TO -0.3								-0.3 TO -0.4							
-0.6 TO -0.4								-0.4 TO -0.6							
-0.6 TO -0.6								-0.6 TO -0.8							
-1.0 TO -0.8								-0.8 TO -1.0							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	2.0	111.7	10.5	3.2			127.3		60.9	3.5	2.1				66.5
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.6								1.6 TO 1.8							
0.0 TO 0.4								0.4 TO 0.8							
0.4 TO 0.6								0.6 TO 0.8							
0.6 TO 0.8								0.8 TO 1.0							
0.8 TO 0.9								0.9 TO 1.0							
0.9 TO 0.6								0.6 TO 0.4							
0.6 TO 0.5								0.5 TO 0.4							
0.5 TO 0.4								0.4 TO 0.3							
0.4 TO 0.3								0.3 TO 0.2							
0.3 TO 0.2								0.2 TO 0.1							
0.2 TO 0.1								0.1 TO 0.0							
0.1 TO 0.0								0.0 TO -0.1							
-0.2 TO -0.1								-0.1 TO -0.2							
-0.3 TO -0.2								-0.2 TO -0.3							
-0.4 TO -0.3								-0.3 TO -0.4							
-0.6 TO -0.4								-0.4 TO -0.6							
-0.6 TO -0.6								-0.6 TO -0.8							
-1.0 TO -0.8								-0.8 TO -1.0							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	5.6	70.0	7.8	3.2			86.6		5.7	121.2	209.0	2.0			410.9
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA %
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.6								1.6 TO 1.8							
0.0 TO 0.4								0.4 TO 0.8							
0.4 TO 0.6								0.6 TO 0.8							
0.6 TO 0.8								0.8 TO 1.0							
0.8 TO 0.9								0.9 TO 1.0							
0.9 TO 0.6								0.6 TO 0.4							
0.6 TO 0.5								0.5 TO 0.4							
0.5 TO 0.4								0.4 TO 0.3							
0.4 TO 0.3								0.3 TO 0.2							
0.3 TO 0.2								0.2 TO 0.1							
0.2 TO 0.1								0.1 TO 0.0							
0.1 TO 0.0								0.0 TO -0.1							
-0.2 TO -0.1								-0.1 TO -0.2							
-0.3 TO -0.2								-0.2 TO -0.3							
-0.4 TO -0.3								-0.3 TO -0.4							
-0.6 TO -0.4								-0.4 TO -0.6							
-0.6 TO -0.6								-0.6 TO -0.8							
-1.0 TO -0.8								-0.8 TO -1.0							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	14.7	230.9	11.0				256.5		20.1	21.2					41.3

Table 126
C-130B — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA %	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA %
		150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
0.6 TO 1.0								0.6 TO 1.0							
0.6 TO 0.6								0.6 TO 0.6							
0.5 TO 0.6								0.5 TO 0.6							
0.5 TO 0.5								0.5 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.6								-0.6 TO -0.6							
-0.6 TO -0.6								-0.6 TO -0.6							
-0.8 TO -0.8								-0.8 TO -0.8							
-1.0 TO -1.0								-1.0 TO -1.0							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	5.9	6.7	29.9	23.4			63.9	FLY TIME (MIN)	0.9	13.4	38.4	44.0			101.6

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA %	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA %
		150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
0.6 TO 1.0								0.6 TO 1.0							
0.6 TO 0.6								0.6 TO 0.6							
0.5 TO 0.6								0.5 TO 0.6							
0.5 TO 0.5								0.5 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.6								-0.6 TO -0.6							
-0.6 TO -0.6								-0.6 TO -0.6							
-0.8 TO -0.8								-0.8 TO -0.8							
-1.0 TO -1.0								-1.0 TO -1.0							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		17.1	6.5				23.6	FLY TIME (MIN)		5.1	0.9				6.0

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA %	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA %	LOAD FACTOR DELTA %	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA %
		150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
0.6 TO 1.0								0.6 TO 1.0							
0.6 TO 0.6								0.6 TO 0.6							
0.5 TO 0.6								0.5 TO 0.6							
0.5 TO 0.5								0.5 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.6								-0.6 TO -0.6							
-0.6 TO -0.6								-0.6 TO -0.6							
-0.8 TO -0.8								-0.8 TO -0.8							
-1.0 TO -1.0								-1.0 TO -1.0							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)		10.0					10.0	FLY TIME (MIN)		10.0	54.8				64.8



Flight Time: 1360.1 hr.

No. of Flights: 436

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. n_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 TO 400	
2.38 ABOVE							
2.4 TO 2.6							
2.0 TO 2.4		0.82	0.91	0.82			2.55
1.8 TO 2.0	1.73	1.81	0.91	1.64			6.09
1.6 TO 1.8	7.99	32.75	11.85	5.27			57.86
1.5 TO 1.6	14.26	66.71	22.05	10.86			113.88
1.4 TO 1.5	125.59	250.96	71.16	29.57			477.28
1.3 TO 1.4	615.35	1,006.39	261.49	75.00	0.91		1,959.14
1.2 TO 1.3	2,771.55	3,787.76	972.36	216.41			7,749.08
1.1 TO 1.2	12,369.11	12,030.53	3,141.09	546.77			28,087.50
0.8 TO 0.9	5,318.42	5,201.23	1,201.37	174.74			11,895.76
0.7 TO 0.8	652.77	676.73	124.91	15.32			1,470.23
0.6 TO 0.7	89.62	95.54	18.34	4.20			197.70
0.4 TO 0.6	11.36	11.68	4.11				27.15
0.2 TO 0.4	2.32		0.82				1.64
0.0 TO 0.2							
BELOW 0.0							

Figure 40. JC-130 — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions

Table 127

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED- V_e (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4			0.82				0.82
0.8 TO 1.0	0.91	2.47	1.64				5.02
0.6 TO 0.8	0.82	21.60	6.58	1.64			30.64
0.5 TO 0.6	2.47	44.11	22.85	4.93			74.36
0.4 TO 0.5	14.23	212.91	51.73	12.50			291.37
0.3 TO 0.4	165.68	773.05	210.58	37.70			1,187.01
0.2 TO 0.3	1,038.43	3,454.55	1,037.76	250.85			5,781.59
0.1 TO 0.2	7,831.36	17,000.63	6,602.24	1,757.09	2.72		33,194.04
-0.2 TO -0.1	6,858.81	14,746.07	5,636.66	1,344.48	0.91		28,586.93
-0.3 TO -0.2	775.50	2,301.74	754.06	167.61			3,938.91
-0.4 TO -0.3	100.84	442.63	112.22	27.24			682.93
-0.6 TO -0.4	19.50	119.62	29.35	5.92			174.39
-0.8 TO -0.6		12.15	4.43				16.58
-1.0 TO -0.8	2.79	2.47	0.82				6.08
BELOW -1.0							

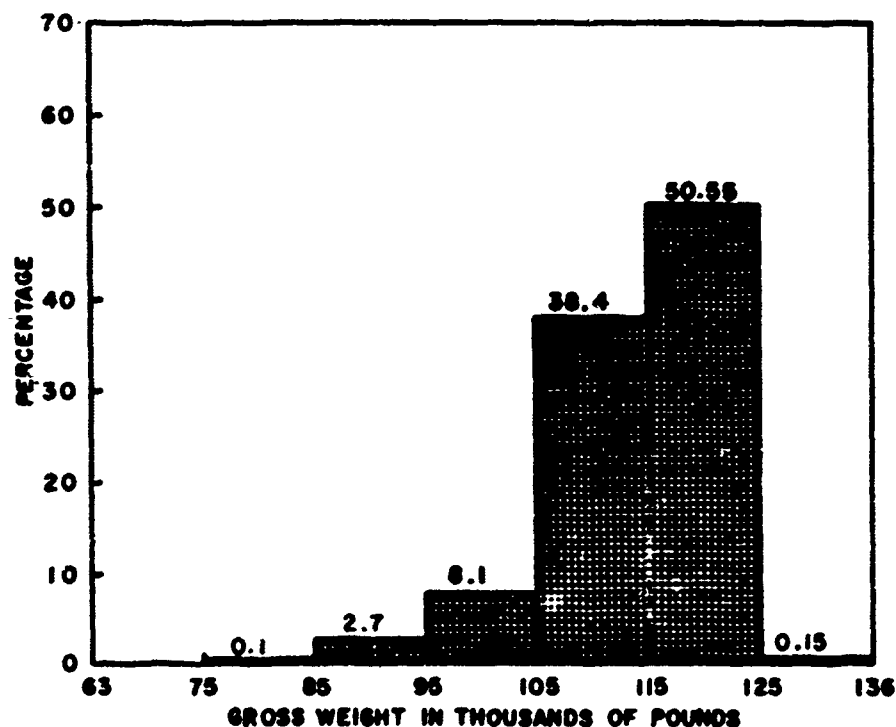


Figure 41. JC-130 — Percentages of Total Flight Time Spent in Selected Gross Weight Ranges — Composite of All Missions

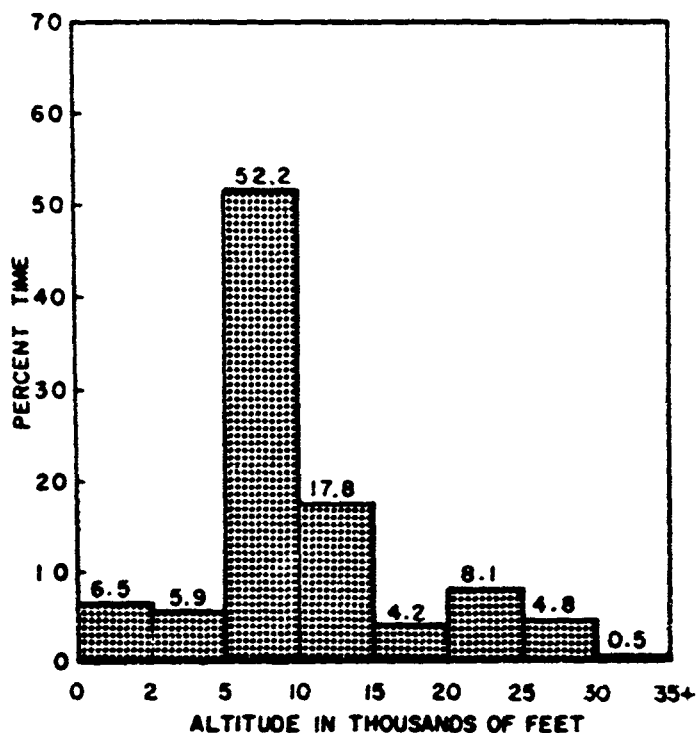


Figure 42

JC-130 — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

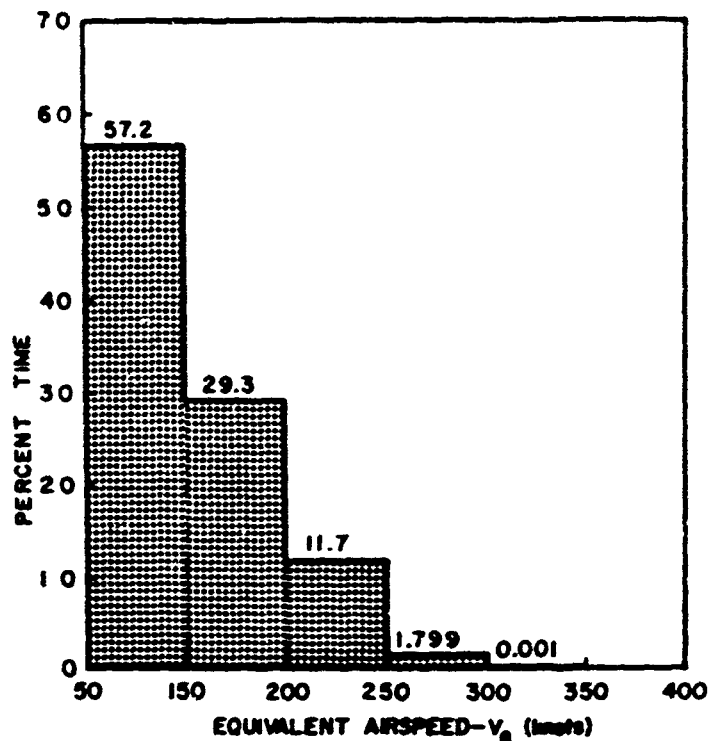


Figure 43

JC-130 — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 128

JC-130 — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	1,522.7	1,523.5	419.4	188.5	0.5		3,654.6
2,000- 5,000	1,046.6	1,503.0	604.9	150.6			3,305.1
5,000- 10,000	21,590.7	3,894.6	3,213.5	527.4			29,226.2
10,000- 15,000	6,836.0	1,986.6	1,040.9	87.5			9,950.9
15,000- 20,000	301.9	1,537.9	480.0	43.2			2,363.1
20,000- 25,000	247.5	3,618.4	659.5	10.0			4,535.3
25,000- 30,000	381.1	2,204.0	133.1				2,718.2
30,000 & ABOVE	126.2	155.0					281.1
TOTAL TIME (MIN.)	32,052.7	16,422.9	6,551.3	1,007.2	0.5	0.	56,034.6

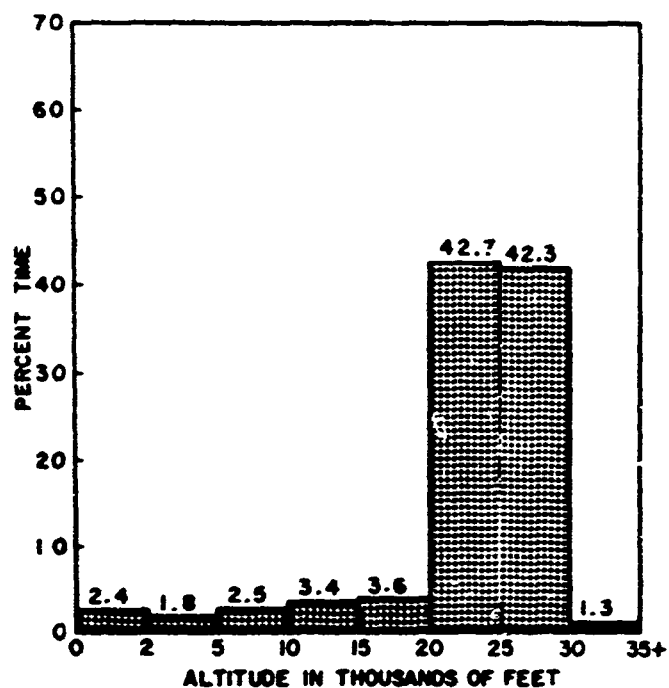


Figure 44

JC-130 — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

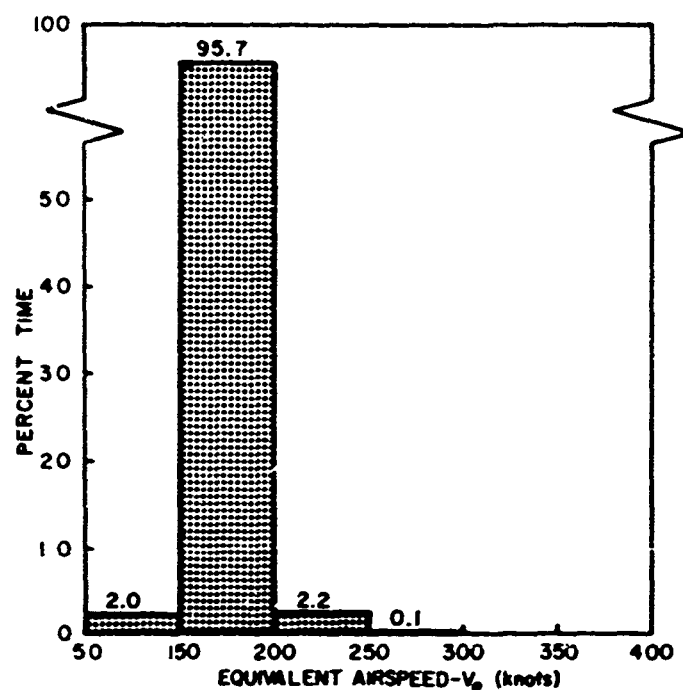


Figure 45

JC-130 — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 129

JC-130 — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	23.2	49.9	42.2	4.2			119.5
2,000- 5,000	5.1	61.4	23.4				89.9
5,000- 10,000	1.1	116.8	5.2				123.1
10,000- 15,000		144.8	21.5				166.3
15,000- 20,000		175.8					175.8
20,000- 25,000	26.5	2,073.4	13.1				2,112.5
25,000- 30,000	41.6	2,046.9	4.0				2,092.5
30,000 & ABOVE		64.9					64.9
TOTAL TIME (MIN.)	97.0	4,733.6	109.4	4.2			4,944.5

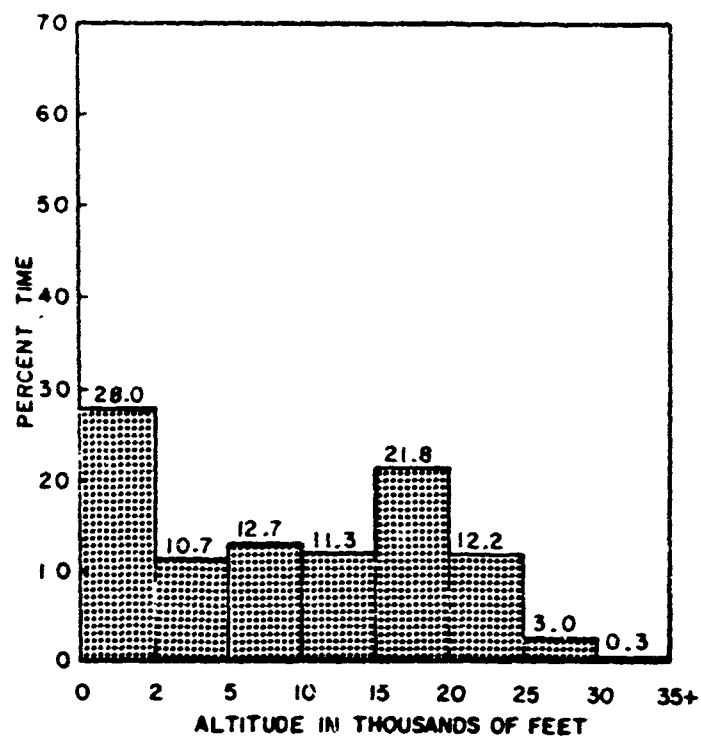


Figure 46

JC-130 — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

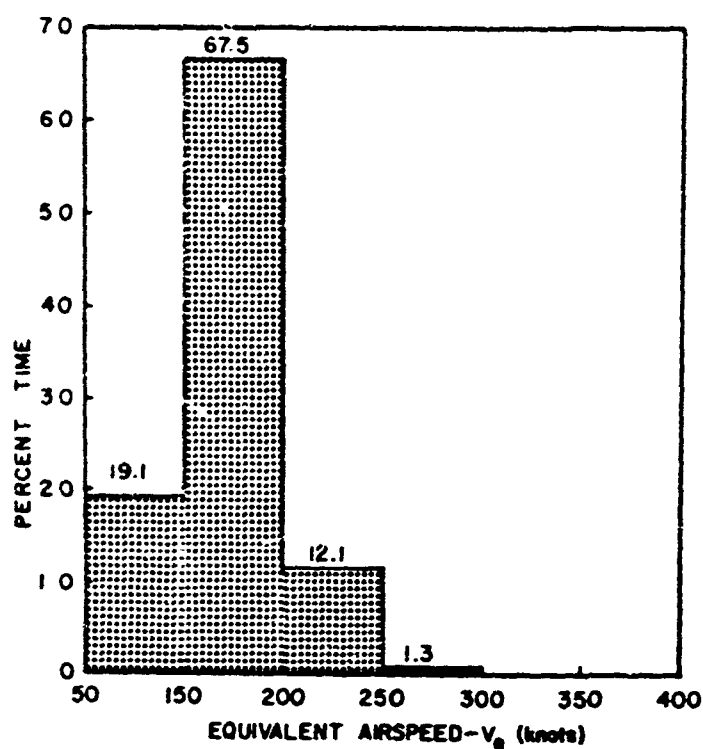


Figure 47

JC-130 — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 130

JC-130 — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	2,139.1	3,004.1	586.9	41.2			5,771.2
2,000- 5,000	353.2	1,416.2	400.5	41.5			2,211.3
5,000- 10,000	666.6	1,261.0	551.6	136.5			2,615.7
10,000- 15,000	298.3	1,533.8	434.9	55.3			2,322.2
15,000- 20,000	288.3	3,872.1	344.4	2.6			4,507.4
20,000- 25,000	106.5	2,229.8	108.5				2,516.8
25,000- 30,000	31.0	579.5	1.0				611.5
30,000 & ABOVE	46.0	24.0					70.0
TOTAL TIME (MIN.)	3,932.0	13,920.4	2,499.7	277.0			20,629.1

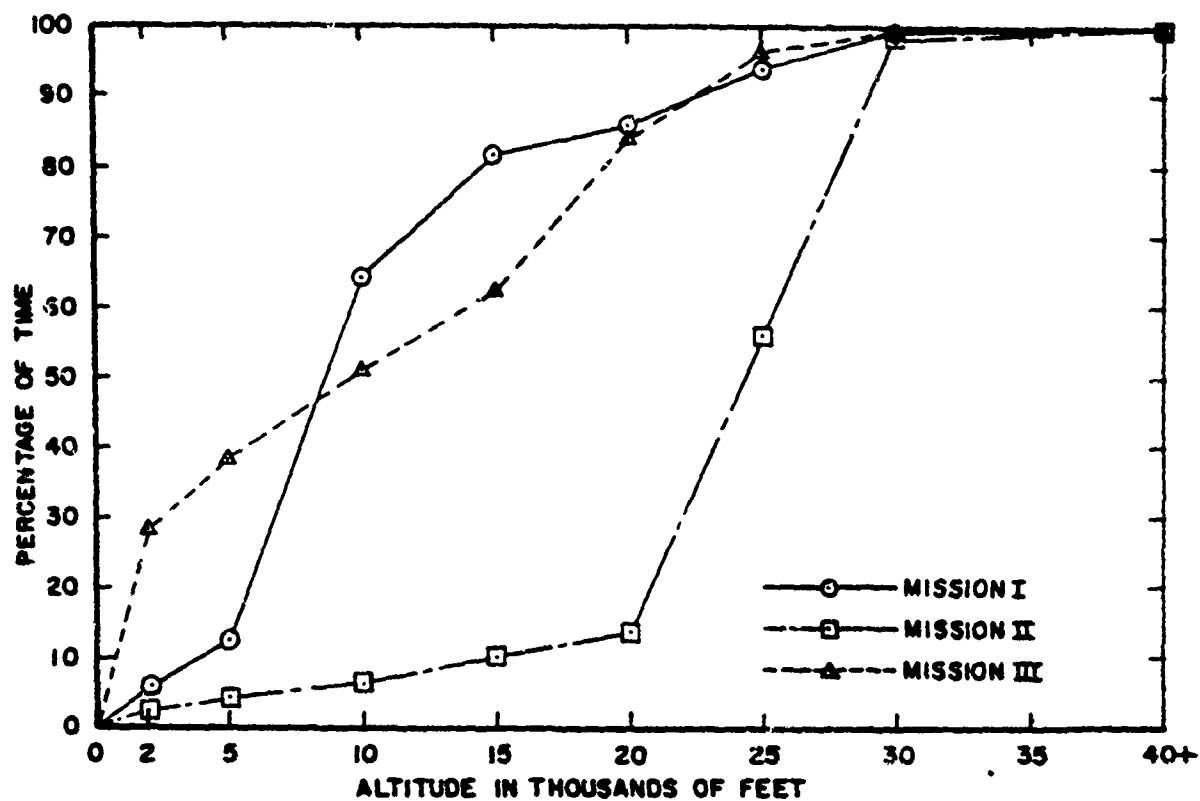


Figure 48. JC-130 — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

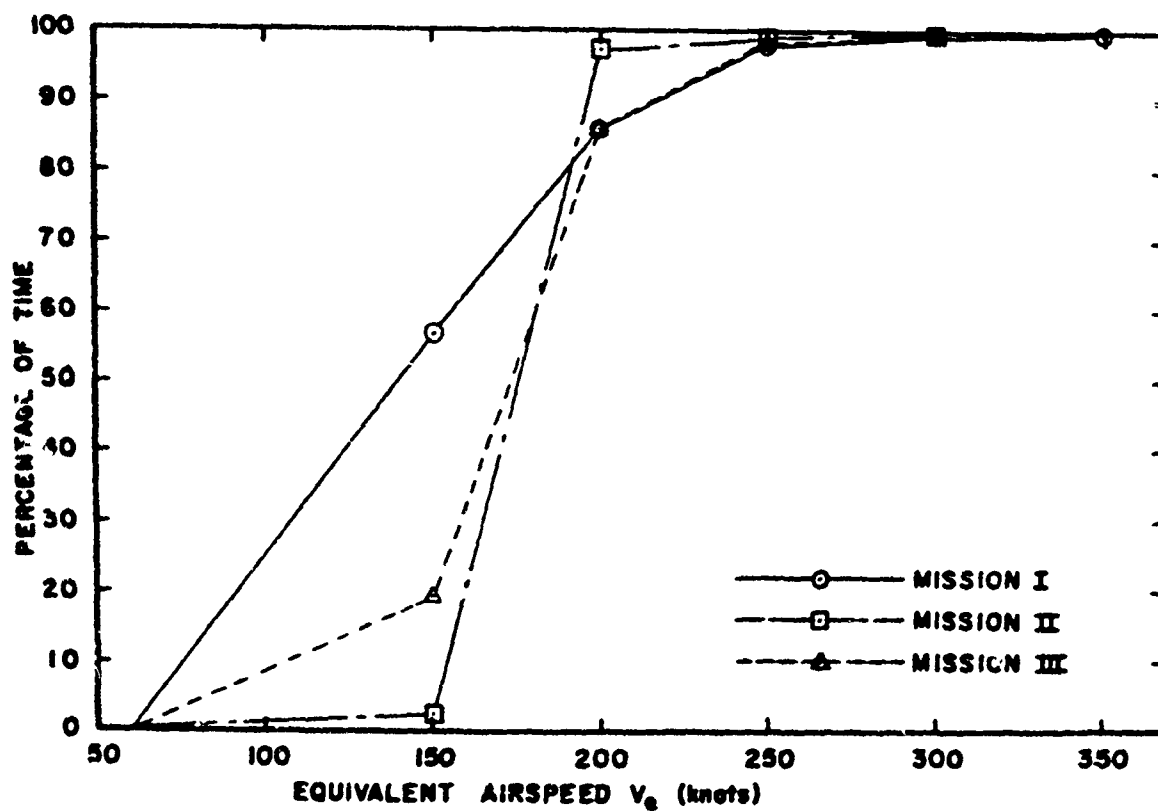


Figure 49. JC-130 — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

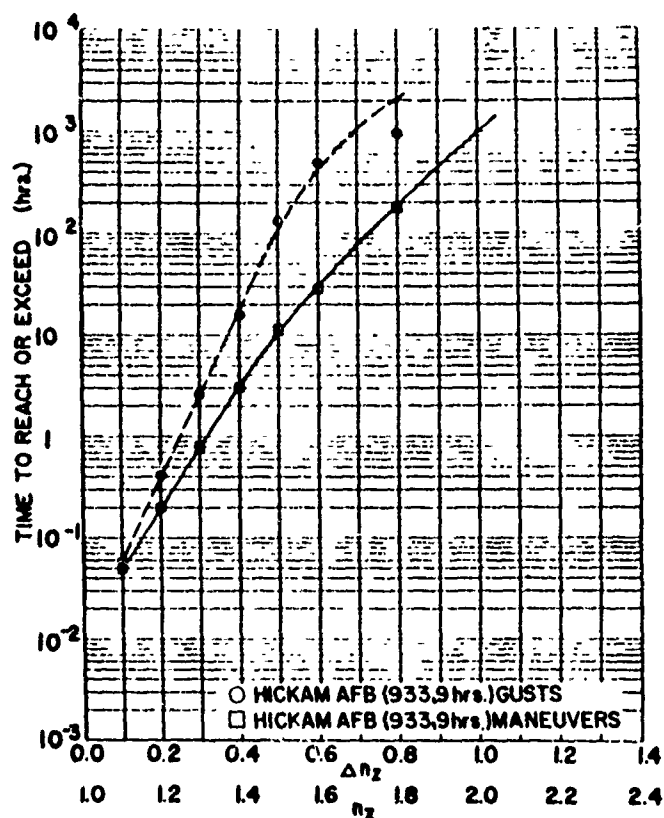


Figure 50. JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Mission I (Airdrop)

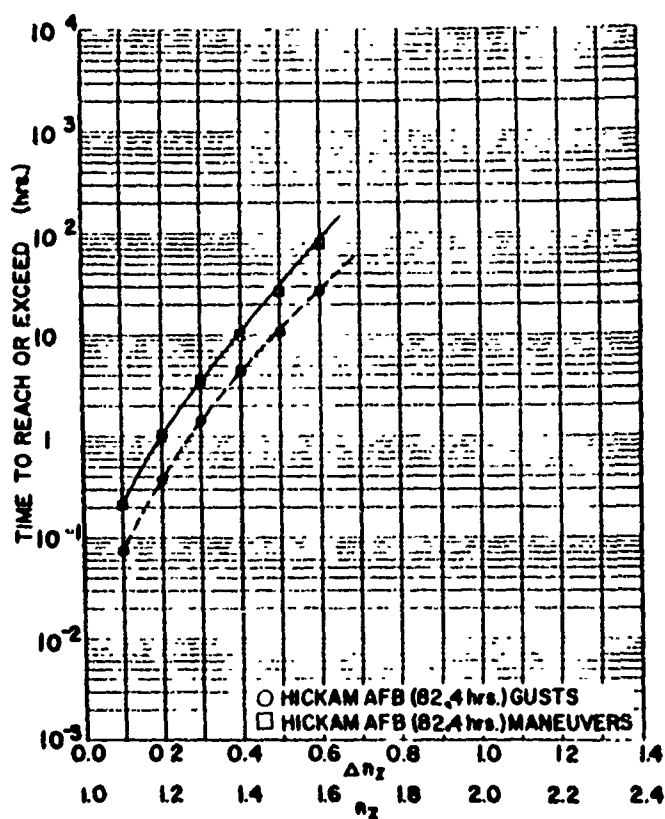


Figure 51

JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Mission II (Logistics and Cross Country)

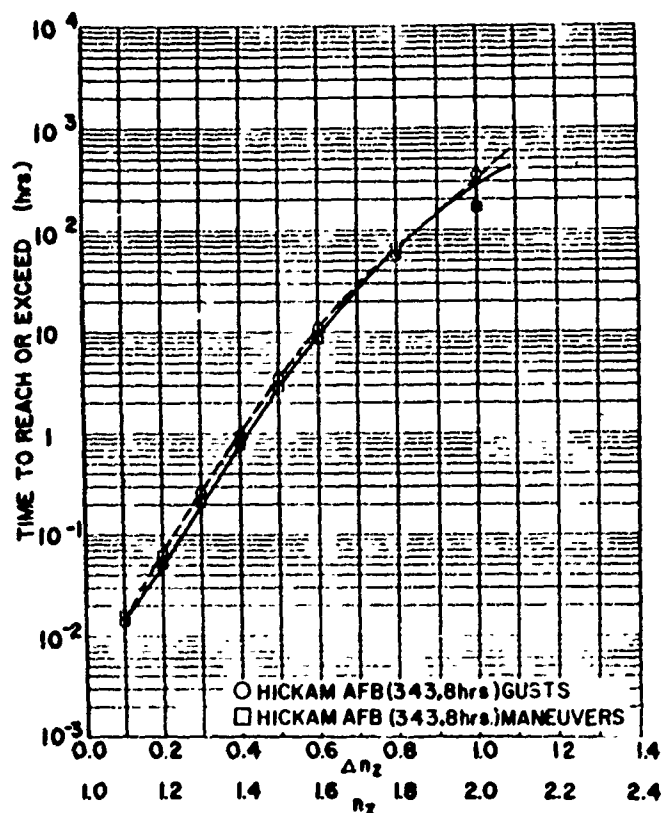


Figure 52. JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Mission III (Training)

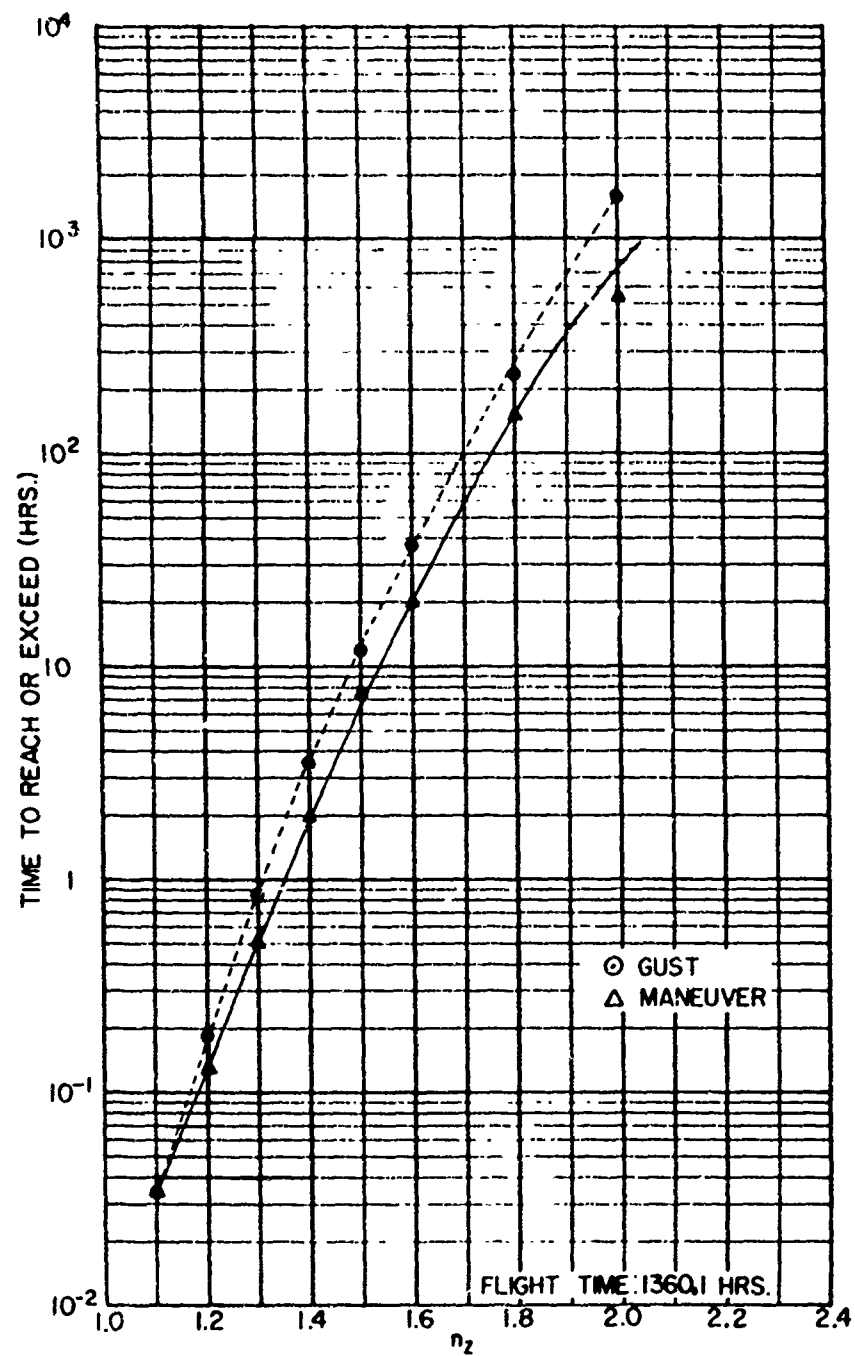


Figure 53. JC-130 — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions

Table 131

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Hickam Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4			1				1
1.8 TO	2.0	1	2	1				4
1.6 TO	1.8	7	14	4				29
1.5 TO	1.6	13	23	8	4			46
1.4 TO	1.5	85	98	27	19			229
1.3 TO	1.4	470	337	100	41			949
1.2 TO	1.3	1812	1180	373	109	1		3474
1.1 TO	1.2	8333	4170	1633	317			14453
0.8 TO	0.9	3552	1938	698	112			6300
0.7 TO	0.8	433	226	48	12			719
0.6 TO	0.7	68	20	3	1			92
0.4 TO	0.6	8	2					10
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME	(MIN)	32052.7	16422.9	6551.3	1007.2	0.5		56034.5

No. of Flights: 284

Table 132

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Hickam Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8		1					1
1.5 TO	1.6		2					2
1.4 TO	1.5		3	2				5
1.3 TO	1.4		14	2				16
1.2 TO	1.3	6	46	6				58
1.1 TO	1.2	74	224	19	1			318
0.8 TO	0.9	43	113	6				162
0.7 TO	0.8	6	10					16
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME	(MIN)	97.0	4733.8	109.4	4.2			4944.5

No. of Flights: 28

Table 133

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission III (Training) — Hickam Air Force Base

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4		1		1			2
1.8 TO	2.0	1			2			3
1.6 TO	1.8	2	21	10	2			35
1.5 TO	1.6	3	49	18	11			81
1.4 TO	1.5	59	187	50	15			311
1.3 TO	1.4	230	805	201	46			1282
1.2 TO	1.3	1352	3150	751	143			5396
1.1 TO	1.2	5602	9275	1955	312			17144
0.8 TO	0.9	2405	3806	671	89			6971
0.7 TO	0.8	296	540	99	6			941
0.6 TO	0.7	34	82	19	4			139
0.4 TO	0.6	5	12	5				22
0.2 TO	0.4	1		1				2
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		3932.0	13920.4	2499.7	277.0			20629.0

No. of Flights: 124

Table 134

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Hickam Air Force Base

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	1.8							
1.4 TO	1.8							
1.0 TO	1.4							
0.8 TO	1.0	1						1
0.6 TO	0.8		1					1
0.5 TO	0.6		1	4				5
0.4 TO	0.5	3	36	9	2			50
0.3 TO	0.4	50	164	64	18			296
0.2 TO	0.3	363	1004	379	195			1966
0.1 TO	0.2	3654	5607	2750	1563	3		13577
-0.2 TO	-0.1	3203	4864	2295	1190	1		11553
-0.3 TO	-0.2	378	595	252	121			1346
-0.4 TO	-0.3	36	81	34	11			162
-0.6 TO	-0.4	7	6	3	2			18
-0.8 TO	-0.6							
-1.0 TO	-0.8							
BELOW	-1.0							
FLT TIME (MIN)		32052.7	16422.9	6551.3	1007.2	0.5		56034.5

Table 135

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Hickam Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8		3					3
0.5 TO 0.6		4	1				5
0.4 TO 0.5		11					11
0.3 TO 0.4	1	32	4				37
0.2 TO 0.3	12	139	11				162
0.1 TO 0.2	47	692	173	5			917
-0.2 TO -0.1	38	623	133	4			798
-0.3 TO -0.2	6	122	11	1			140
-0.4 TO -0.3	5	31					36
-0.6 TO -0.4		10	1				11
-0.8 TO -0.6		2	1				3
-1.0 TO -0.8	1						1
BELOW -1.0							
FLT TIME (MIN)	97.0	4733.8	109.4	4.2			4944.5

Table 136

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Hickam Air Force Base

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4			1				1
0.8 TO 1.0		3	2				5
0.6 TO 0.8	1	15	8	2			26
0.5 TO 0.6	3	39	20	6			68
0.4 TO 0.5	14	182	53	13			262
0.3 TO 0.4	143	651	172	26			992
0.2 TO 0.3	800	2618	807	90			4315
0.1 TO 0.2	5336	12149	4411	396			22272
-0.2 TO -0.1	4681	10460	3874	309			19324
-0.3 TO -0.2	506	1730	602	67			2405
-0.4 TO -0.3	66	344	99	21			530
-0.6 TO -0.4	16	105	29	5			155
-0.8 TO -0.6		8	2				10
-1.0 TO -0.8		3	1				4
BELOW -1.0							
FLT TIME (MIN)	3932.0	13920.4	2499.7	277.0			20629.0

**JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 85,000 to 95,000 lb.**

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Table 138

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	129.8	112.4	51.0	0.3			293.5	FLT TIME (MIN)	34.1	105.6	58.6	7.0			205.6
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	1002.6	142.2	144.5	11.3			1302.6	FLT TIME (MIN)	345.0	116.7	142.4	6.3			610.3
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	9.4	100.0	14.8				126.3	FLT TIME (MIN)	4.3	115.5	62.9				212.7
Altitude: 25,000 to 30,000 feet															
EQUIVALENT AIRSPEED - VE (KNOTS)															
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL								
NZ	150	200	250	300	350	AND ABOVE	NZ								
ABOVE 2.8															
2.4 TO 2.8															
2.0 TO 2.4															
1.8 TO 2.0															
1.6 TO 1.8															
1.5 TO 1.6															
1.4 TO 1.5															
1.3 TO 1.4															
1.2 TO 1.3															
1.1 TO 1.2															
0.8 TO 0.9															
0.7 TO 0.8															
0.6 TO 0.7															
0.4 TO 0.6															
0.2 TO 0.4															
0.0 TO 0.2															
BELOW 0.0															
FLT TIME (MIN)	3.3	3.3					6.6								

Table 139
JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8	1	1	2				2	1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5	3	10	3	2			26	1.4 TO 1.5	1	4	4	1			10
1.3 TO 1.4	40	75	9	2	1		125	1.3 TO 1.4	20	20	12	2			49
1.2 TO 1.3	234	270	40	7			551	1.2 TO 1.3	20	125	57	12			222
1.1 TO 1.2	1407	765	105	12			2209	1.1 TO 1.2	250	462	167	27			906
0.8 TO 0.9	490	300	32	2			830	0.9 TO 0.9	104	151	54	7			316
0.7 TO 0.8	43	43	8				94	0.7 TO 0.8	6	22	4				32
0.6 TO 0.7	2	4					6	0.6 TO 0.7							
0.4 TO 0.6		1					1	0.4 TO 0.6		1					1
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	811.9	735.1	160.8	49.9	0.5		1750.2	FLT TIME (MIN)	811.1	697.9	300.6	56.8			1674.2
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8	1						1	1.6 TO 1.8							
1.5 TO 1.6	3	1	1	1			6	1.5 TO 1.6	4	2					2
1.4 TO 1.5	13	5	3	3			24	1.4 TO 1.5	13	5					5
1.3 TO 1.4	83	13	14	11			121	1.3 TO 1.4	79	8	4	3			25
1.2 TO 1.3	269	51	49	25			394	1.2 TO 1.3	251	17	25	10			96
1.1 TO 1.2	1355	293	190	61			1907	1.1 TO 1.2	704	120	119	26			303
0.8 TO 0.9	539	134	84	26			785	0.9 TO 0.9	490	70	72	4			636
0.7 TO 0.8	14	8	4	4			30	0.7 TO 0.8	96	7	6				109
0.6 TO 0.7	3		1				4	0.6 TO 0.7	11	1					12
0.4 TO 0.6								0.4 TO 0.6	3						3
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	806.5	1236.5	755.3	167.3			11034.0	FLT TIME (MIN)	2918.7	818.4	493.2	92.1			3902.5
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4	5	22	4	2			33	1.3 TO 1.4							
1.2 TO 1.3	37	150	36	7			212	1.2 TO 1.3	2	15	4				21
1.1 TO 1.2								1.1 TO 1.2	10	114	30	4			174
0.8 TO 0.9	10	63	29	5			113	0.9 TO 0.9	11	43	17	3			94
0.7 TO 0.8		9	3				12	0.7 TO 0.8	1	6	2				9
0.5 TO 0.7	1						1	0.5 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	89.3	664.8	260.8	20.9			1090.2	FLT TIME (MIN)	161.6	1208.4	399.9	8.7			1680.6
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3	1	11	2				14	1.2 TO 1.3							
1.1 TO 1.2	3	41	13				57	1.1 TO 1.2	1	3					4
0.8 TO 0.9	6	16	11				33	0.9 TO 0.9	2	4					6
0.7 TO 0.8								0.7 TO 0.8	1						1
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	112.5	568.2	90.7				781.2	FLT TIME (MIN)	63.6	64.6					127.5

Table 140

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	535.0	615.9	202.6	130.3			1401.8	FLT TIME (MIN)	365.5	601.4	217.3	86.6			1270.8
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	11514.2	2672.3	2282.8	346.3			16615.5	FLT TIME (MIN)	3928.3	1031.6	791.4	27.7			5379.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	203.2	730.6	187.5	14.3			1141.5	FLT TIME (MIN)	76.3	2228.8	172.7	1.3			2479.1
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	285.3	1630.3	52.4				1968.2	FLT TIME (MIN)	63.2	90.4					153.6

Table 141
JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet								
LOAD FACTOR %Z	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL %Z	LOAD FACTOR %Z	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL %Z
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.1								2.0 TO 2.1							
2.1 TO 2.2								2.1 TO 2.2							
2.2 TO 2.3								2.2 TO 2.3							
2.3 TO 2.4								2.3 TO 2.4							
2.4 TO 2.5								2.4 TO 2.5							
2.5 TO 2.6								2.5 TO 2.6							
2.6 TO 2.7								2.6 TO 2.7							
2.7 TO 2.8								2.7 TO 2.8							
2.8 TO 2.9								2.8 TO 2.9							
2.9 TO 3.0								2.9 TO 3.0							
3.0 TO 3.1								3.0 TO 3.1							
3.1 TO 3.2								3.1 TO 3.2							
3.2 TO 3.3								3.2 TO 3.3							
3.3 TO 3.4								3.3 TO 3.4							
3.4 TO 3.5								3.4 TO 3.5							
3.5 TO 3.6								3.5 TO 3.6							
3.6 TO 3.7								3.6 TO 3.7							
3.7 TO 3.8								3.7 TO 3.8							
3.8 TO 3.9								3.8 TO 3.9							
3.9 TO 4.0								3.9 TO 4.0							
4.0 TO 4.1								4.0 TO 4.1							
4.1 TO 4.2								4.1 TO 4.2							
4.2 TO 4.3								4.2 TO 4.3							
4.3 TO 4.4								4.3 TO 4.4							
4.4 TO 4.5								4.4 TO 4.5							
4.5 TO 4.6								4.5 TO 4.6							
4.6 TO 4.7								4.6 TO 4.7							
4.7 TO 4.8								4.7 TO 4.8							
4.8 TO 4.9								4.8 TO 4.9							
4.9 TO 5.0								4.9 TO 5.0							
5.0 TO 5.1								5.0 TO 5.1							
5.1 TO 5.2								5.1 TO 5.2							
5.2 TO 5.3								5.2 TO 5.3							
5.3 TO 5.4								5.3 TO 5.4							
5.4 TO 5.5								5.4 TO 5.5							
5.5 TO 5.6								5.5 TO 5.6							
5.6 TO 5.7								5.6 TO 5.7							
5.7 TO 5.8								5.7 TO 5.8							
5.8 TO 5.9								5.8 TO 5.9							
5.9 TO 6.0								5.9 TO 6.0							
6.0 TO 6.1								6.0 TO 6.1							
6.1 TO 6.2								6.1 TO 6.2							
6.2 TO 6.3								6.2 TO 6.3							
6.3 TO 6.4								6.3 TO 6.4							
6.4 TO 6.5								6.4 TO 6.5							
6.5 TO 6.6								6.5 TO 6.6							
6.6 TO 6.7								6.6 TO 6.7							
6.7 TO 6.8								6.7 TO 6.8							
6.8 TO 6.9								6.8 TO 6.9							
6.9 TO 7.0								6.9 TO 7.0							
7.0 TO 7.1								7.0 TO 7.1							
7.1 TO 7.2								7.1 TO 7.2							
7.2 TO 7.3								7.2 TO 7.3							
7.3 TO 7.4								7.3 TO 7.4							
7.4 TO 7.5								7.4 TO 7.5							
7.5 TO 7.6								7.5 TO 7.6							
7.6 TO 7.7								7.6 TO 7.7							
7.7 TO 7.8								7.7 TO 7.8							
7.8 TO 7.9								7.8 TO 7.9							
7.9 TO 8.0								7.9 TO 8.0							
8.0 TO 8.1								8.0 TO 8.1							
8.1 TO 8.2								8.1 TO 8.2							
8.2 TO 8.3								8.2 TO 8.3							
8.3 TO 8.4								8.3 TO 8.4							
8.4 TO 8.5								8.4 TO 8.5							
8.5 TO 8.6								8.5 TO 8.6							
8.6 TO 8.7								8.6 TO 8.7							
8.7 TO 8.8								8.7 TO 8.8							
8.8 TO 8.9								8.8 TO 8.9							
8.9 TO 9.0								8.9 TO 9.0							
9.0 TO 9.1								9.0 TO 9.1							
9.1 TO 9.2								9.1 TO 9.2							
9.2 TO 9.3								9.2 TO 9.3							
9.3 TO 9.4								9.3 TO 9.4							
9.4 TO 9.5								9.4 TO 9.5							
9.5 TO 9.6								9.5 TO 9.6							
9.6 TO 9.7								9.6 TO 9.7							
9.7 TO 9.8								9.7 TO 9.8							
9.8 TO 9.9								9.8 TO 9.9							
9.9 TO 10.0								9.9 TO 10.0							
10.0 TO 10.1								10.0 TO 10.1							
10.1 TO 10.2								10.1 TO 10.2							
10.2 TO 10.3								10.2 TO 10.3							
10.3 TO 10.4								10.3 TO 10.4							
10.4 TO 10.5								10.4 TO 10.5							
10.5 TO 10.6								10.5 TO 10.6							
10.6 TO 10.7								10.6 TO 10.7							
10.7 TO 10.8								10.7 TO 10.8							
10.8 TO 10.9								10.8 TO 10.9							
10.9 TO 11.0								10.9 TO 11.0							
11.0 TO 11.1								11.0 TO 11.1							
11.1 TO 11.2								11.1 TO 11.2							
11.2 TO 11.3								11.2 TO 11.3							
11.3 TO 11.4								11.3 TO 11.4							
11.4 TO 11.5								11.4 TO 11.5							
11.5 TO 11.6								11.5 TO 11.6							
11.6 TO 11.7								11.6 TO 11.7							
11.7 TO 11.8								11.7 TO 11.8							
11.8 TO 11.9								11.8 TO 11.9							
11.9 TO 12.0								11.9 TO 12.0							
12.0 TO 12.1								12.0 TO 12.1							
12.1 TO 12.2															

Table 142
 JC-130 — Distribution of Maneuver Load Factors by Equivalent
 Airspeed and Altitude — Mission II (Logistics and Cross Country)
 — Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 5000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL			LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL		
NZ	150	200	250	300	350	ABOVE	NZ			NZ	150	200	250	300	350	ABOVE	NZ		
ABOVE 2.0										ABOVE 2.0									
2.0 TO 2.4										2.0 TO 2.4									
2.4 TO 2.6										2.4 TO 2.6									
1.6 TO 2.0										1.6 TO 2.0									
1.6 TO 1.8										1.6 TO 1.8									
1.5 TO 1.6										1.5 TO 1.6									
1.4 TO 1.5										1.4 TO 1.5									
1.3 TO 1.4										1.3 TO 1.4									
1.2 TO 1.3										1.2 TO 1.3									
1.1 TO 1.2	4	1	1				6			1.1 TO 1.2		3	1				4		
0.8 TO 0.9	4						4			0.8 TO 0.9		1	1				2		
0.7 TO 0.8										0.7 TO 0.8									
0.6 TO 0.7										0.6 TO 0.7									
0.4 TO 0.6										0.4 TO 0.6									
0.2 TO 0.4										0.2 TO 0.4									
0.0 TO 0.2										0.0 TO 0.2									
BELOW 0.0										BELOW 0.0									
FLY TIME										FLY TIME									
(min)	2.3	3.1	10.0				15.2			(min)	1.6	17.5					19.1		

Table 143
JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	AND ABOVE	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	AND ABOVE
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.6 TO 2.0								1.6 TO 2.0							
1.2 TO 1.6								1.2 TO 1.6							
0.8 TO 1.2								0.8 TO 1.2							
0.4 TO 0.8								0.4 TO 0.8							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)		4.1	4.7	2.7			13.5	FLY TIME (MIN)		4.1	3.0	2.8			9.9

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	AND ABOVE	NZ		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	AND ABOVE
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.6 TO 2.0								1.6 TO 2.0							
1.2 TO 1.6								1.2 TO 1.6							
0.8 TO 1.2								0.8 TO 1.2							
0.4 TO 0.8								0.4 TO 0.8							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)		1.1	8.9	1.2			10.9	FLY TIME (MIN)		1.3	21.5				22.8

Table 144

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2	8	4	4	1			19	1.1 TO 1.2		1					1
0.8 TO 0.9	1	1					2	0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	2.1	4.4	28.0	4.2			38.7	FLT TIME (MIN)		1.7					1.7
Altitude: 5000 to 10,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		1.3					1.3	FLT TIME (MIN)	10.0	748.0					758.0
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	26.5	242.0	9.0				277.5	FLT TIME (MIN)		66.9					66.9

Table 145

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.8 TO 2.0								1.8 TO 2.0							
1.5 TO 1.8		1					1	1.8 TO 1.9							
1.5 TO 1.6		2					2	1.5 TO 1.6							
1.4 TO 1.5		3	1				4	1.4 TO 1.5							
1.3 TO 1.4		12					12	1.3 TO 1.4							
1.2 TO 1.3	4	31					35	1.2 TO 1.3							
1.1 TO 1.2	48	60	1				109	1.1 TO 1.2		8	1				9
0.8 TO 0.9	30	27	3				60	0.8 TO 0.9	2	17	1				20
0.7 TO 0.8	6	5					11	0.7 TO 0.8		1					1
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	14.3	34.2	9.7				58.2	FLT TIME (MIN)	1.0	52.9	3.1				57.1
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.8 TO 2.0								1.8 TO 2.0							
1.5 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2		12					12	1.1 TO 1.2							
0.8 TO 0.9		11					11	0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	100.9	4.0					104.9	FLT TIME (MIN)	139.5						139.5
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.8 TO 2.0								1.8 TO 2.0							
1.5 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2		8					8	1.1 TO 1.2							
0.8 TO 0.9		2					2	0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	175.0						175.0	FLT TIME (MIN)	6.0	1325.4	13.1				1344.5
Altitude: 25,000 to 30,000 feet															
EQUIVALENT AIRSPEED - VE (KNOTS)															
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ								
ABOVE 2.0															
2.0 TO 2.4															
2.4 TO 2.8															
1.8 TO 2.0															
1.5 TO 1.8															
1.5 TO 1.6															
1.4 TO 1.5															
1.3 TO 1.4															
1.2 TO 1.3															
1.1 TO 1.2	5	21					26								
0.8 TO 0.9	2	12					14								
0.7 TO 0.8															
0.6 TO 0.7															
0.4 TO 0.6															
0.2 TO 0.4															
0.0 TO 0.2															
BELOW 0.0															
FLT TIME (MIN)	15.1	1104.3					1119.4								

Table 146

JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL NZ	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4			1				1	1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2		3					3	1.1 TO 1.2			2				2
0.8 TO 0.9		1					1	0.8 TO 0.9			1				1
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	0.4	1.5					1.9	FLT TIME (MIN)		2.1					2.1

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL NZ	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL NZ
ABOVE 2.8								ABOVE 2.8							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		6.0					6.0	FLT TIME (MIN)		4.0					4.0

Table 147
 JC-130 — Distribution of Maneuver Load Factors by Equivalent
 Airspeed and Altitude — Mission III (Training) —
 Gross Weight Range: 75,000 to 85,000 lb.

		Altitude: 25,000 to 30,000 feet							
		EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD	FACTOR	LESS	150	200	250	300	350	TOTAL	
N2		THAN	TO	TO	TO	TO	AND	N2	
		150	200	250	300	350	ABOVE		
ABOVE	2.0								
2.4 TO	2.0								
2.0 TO	2.4								
1.8 TO	2.0								
1.6 TO	1.8								
1.5 TO	1.6								
1.4 TO	1.5								
1.3 TO	1.4								
1.2 TO	1.3								
1.1 TO	1.2								
									NO ENTRIES
0.8 TO	0.9								
0.7 TO	0.8								
0.6 TO	0.7								
0.4 TO	0.6								
0.2 TO	0.4								
0.0 TO	0.2								
BELOW	0.0								
FLT TIME									
(MIN)									
			92.5					92.5	

Table 148

**JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 85,000 to 95,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6		3	1				4	1.5 TO 1.6		1					1
1.4 TO 1.5		9	2				11	1.4 TO 1.5		4	3				7
1.3 TO 1.4		41	6				47	1.3 TO 1.4		20	8				28
1.2 TO 1.3		150	176	15			341	1.2 TO 1.3		11	102	24			137
1.1 TO 1.2		546	562	37			1145	1.1 TO 1.2		57	269	46	2		374
0.8 TO 0.9	244	219	14				477	0.8 TO 0.9	37	149	19				205
0.7 TO 0.8	28	38	5				71	0.7 TO 0.8		35	3				44
0.6 TO 0.7	4	7					11	0.6 TO 0.7	6	6	4				16
0.4 TO 0.6	2		2				4	0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	305.7	329.3	27.3				662.3	FLT TIME (MIN)	74.2	183.0	35.5	1.4			294.1
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5			1				1	1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4			1	1			2
1.2 TO 1.3		1	17	7			25	1.2 TO 1.3	3	1	4	2			10
1.1 TO 1.2	17	20	50	7			94	1.1 TO 1.2	5	8	75	3			91
0.8 TO 0.9	2	10	21	7			40	0.8 TO 0.9		3	15	2			20
0.7 TO 0.8			1	1			2	0.7 TO 0.8		1	2				3
0.6 TO 0.7							1	0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	18.7	66.5	53.5	8.3			147.0	FLT TIME (MIN)	4.3	47.2	25.2	2.3			79.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5		4					4	1.4 TO 1.5							
1.3 TO 1.4		12	1				13	1.3 TO 1.4							
1.2 TO 1.3		94	8				102	1.2 TO 1.3		4					4
1.1 TO 1.2								1.1 TO 1.2		27	1				28
0.8 TO 0.9	1	75	6				82	0.8 TO 0.9		21	2				23
0.7 TO 0.8		5					5	0.7 TO 0.8		2					2
0.6 TO 0.7			1				1	0.6 TO 0.7		1					1
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	6.8	244.7	17.6				269.1	FLT TIME (MIN)	2.0	77.2	14.4				93.6
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	0.0	114.0	1.0				115.0	FLT TIME (MIN)							

Table 149
JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE
NZ	150	200	250	300	350	NZ	NZ	150	200	250	300	350	NZ
ABOVE 2.0							ABOVE 2.0						
2.4 TO 2.0							2.4 TO 2.0						
2.0 TO 2.4							2.0 TO 2.4						
1.8 TO 2.0							1.8 TO 2.0						
1.5 TO 1.8							1.5 TO 1.8						
1.5 TO 1.6							1.5 TO 1.6						
1.4 TO 1.5							1.4 TO 1.5						
1.3 TO 1.4							1.3 TO 1.4						
1.2 TO 1.3							1.2 TO 1.3						
1.1 TO 1.2							1.1 TO 1.2						
0.8 TO 0.9							0.8 TO 0.9						
0.7 TO 0.8							0.7 TO 0.8						
0.6 TO 0.7							0.6 TO 0.7						
0.4 TO 0.6							0.4 TO 0.6						
0.2 TO 0.4							0.2 TO 0.4						
0.0 TO 0.2							0.0 TO 0.2						
BELOW 0.0							BELOW 0.0						
FLY TIME (MIN)	497.0	622.5	50.3	5.5		1130.2	FLY TIME (MIN)	119.1	326.6	65.7	11.0		522.4
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE
NZ	150	200	250	300	350	NZ	NZ	150	200	250	300	350	NZ
ABOVE 2.0							ABOVE 2.0						
2.4 TO 2.0							2.4 TO 2.0						
2.0 TO 2.4							2.0 TO 2.4						
1.8 TO 2.0							1.8 TO 2.0						
1.6 TO 1.8							1.6 TO 1.8						
1.5 TO 1.6							1.5 TO 1.6						
1.4 TO 1.5							1.4 TO 1.5						
1.3 TO 1.4							1.3 TO 1.4						
1.2 TO 1.3							1.2 TO 1.3						
1.1 TO 1.2							1.1 TO 1.2						
0.8 TO 0.9							0.8 TO 0.9						
0.7 TO 0.8							0.7 TO 0.8						
0.6 TO 0.7							0.6 TO 0.7						
0.4 TO 0.6							0.4 TO 0.6						
0.2 TO 0.4							0.2 TO 0.4						
0.0 TO 0.2							0.0 TO 0.2						
BELOW 0.0							BELOW 0.0						
FLY TIME (MIN)	64.1	214.7	75.7	7.7		400.7	FLY TIME (MIN)	19.7	171.6	42.0	5.4		237.9
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE
NZ	150	200	250	300	350	NZ	NZ	150	200	250	300	350	NZ
ABOVE 2.0							ABOVE 2.0						
2.4 TO 2.0							2.4 TO 2.0						
2.0 TO 2.4							2.0 TO 2.4						
1.8 TO 2.0							1.8 TO 2.0						
1.6 TO 1.8							1.6 TO 1.8						
1.5 TO 1.6							1.5 TO 1.6						
1.4 TO 1.5							1.4 TO 1.5						
1.3 TO 1.4							1.3 TO 1.4						
1.2 TO 1.3							1.2 TO 1.3						
1.1 TO 1.2							1.1 TO 1.2						
0.8 TO 0.9							0.8 TO 0.9						
0.7 TO 0.8							0.7 TO 0.8						
0.6 TO 0.7							0.6 TO 0.7						
0.4 TO 0.6							0.4 TO 0.6						
0.2 TO 0.4							0.2 TO 0.4						
0.0 TO 0.2							0.0 TO 0.2						
BELOW 0.0							BELOW 0.0						
FLY TIME (MIN)	90.2	737.7	56.9			892.8	FLY TIME (MIN)	34.0	364.6	30.1			433.7
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 feet and Above						
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE
NZ	150	200	250	300	350	NZ	NZ	150	200	250	300	350	NZ
ABOVE 2.0							ABOVE 2.0						
2.4 TO 2.0							2.4 TO 2.0						
2.0 TO 2.4							2.0 TO 2.4						
1.8 TO 2.0							1.8 TO 2.0						
1.6 TO 1.8							1.6 TO 1.8						
1.5 TO 1.6							1.5 TO 1.6						
1.4 TO 1.5							1.4 TO 1.5						
1.3 TO 1.4							1.3 TO 1.4						
1.2 TO 1.3							1.2 TO 1.3						
1.1 TO 1.2							1.1 TO 1.2						
0.8 TO 0.9							0.8 TO 0.9						
0.7 TO 0.8							0.7 TO 0.8						
0.6 TO 0.7							0.6 TO 0.7						
0.4 TO 0.6							0.4 TO 0.6						
0.2 TO 0.4							0.2 TO 0.4						
0.0 TO 0.2							0.0 TO 0.2						
BELOW 0.0							BELOW 0.0						
FLY TIME (MIN)	2.0					2.0	FLY TIME (MIN)	22.0					22.0

Table 150

**JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105,000 to 115,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.5 TO 1.5								1.5 TO 1.5							
1.4 TO 1.4								1.4 TO 1.4							
1.3 TO 1.3								1.3 TO 1.3							
1.2 TO 1.2								1.2 TO 1.2							
1.1 TO 1.1								1.1 TO 1.1							
0.8 TO 0.8								0.8 TO 0.8							
0.7 TO 0.7								0.7 TO 0.7							
0.6 TO 0.6								0.6 TO 0.6							
0.4 TO 0.4								0.4 TO 0.4							
0.2 TO 0.2								0.2 TO 0.2							
0.0 TO 0.0								0.0 TO 0.0							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	873.5	1262.3	260.7	24.8			2421.2	FLT TIME (MIN)	103.7	538.3	151.1	15.6			808.7
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.5 TO 1.5								1.5 TO 1.5							
1.4 TO 1.4								1.4 TO 1.4							
1.3 TO 1.3								1.3 TO 1.3							
1.2 TO 1.2								1.2 TO 1.2							
1.1 TO 1.1								1.1 TO 1.1							
0.8 TO 0.8								0.8 TO 0.8							
0.7 TO 0.7								0.7 TO 0.7							
0.6 TO 0.6								0.6 TO 0.6							
0.4 TO 0.4								0.4 TO 0.4							
0.2 TO 0.2								0.2 TO 0.2							
0.0 TO 0.0								0.0 TO 0.0							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	208.5	369.2	191.7	57.3			809.7	FLT TIME (MIN)	126.9	461.5	206.9	23.7			816.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.5 TO 1.5								1.5 TO 1.5							
1.4 TO 1.4								1.4 TO 1.4							
1.3 TO 1.3								1.3 TO 1.3							
1.2 TO 1.2								1.2 TO 1.2							
1.1 TO 1.1								1.1 TO 1.1							
0.8 TO 0.8								0.8 TO 0.8							
0.7 TO 0.7								0.7 TO 0.7							
0.6 TO 0.6								0.6 TO 0.6							
0.4 TO 0.4								0.4 TO 0.4							
0.2 TO 0.2								0.2 TO 0.2							
0.0 TO 0.0								0.0 TO 0.0							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	54.9	1201.2	172.5	0.1			1433.7	FLT TIME (MIN)	28.0	104.5	72.8				705.3
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.0 TO 1.0								1.0 TO 1.0							
1.0 TO 1.0								1.0 TO 1.0							
1.5 TO 1.5								1.5 TO 1.5							
1.4 TO 1.4								1.4 TO 1.4							
1.3 TO 1.3								1.3 TO 1.3							
1.2 TO 1.2								1.2 TO 1.2							
1.1 TO 1.1								1.1 TO 1.1							
0.8 TO 0.8								0.8 TO 0.8							
0.7 TO 0.7								0.7 TO 0.7							
0.6 TO 0.6								0.6 TO 0.6							
0.4 TO 0.4								0.4 TO 0.4							
0.2 TO 0.2								0.2 TO 0.2							
0.0 TO 0.0								0.0 TO 0.0							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	4.0	256.0					260.0	FLT TIME (MIN)	20.0	24.0					44.0

Table 151
JC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.9								ABOVE 2.9							
2.4 TO 2.9								2.4 TO 2.9							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0	1						1	1.8 TO 2.0							
1.6 TO 1.8	2	3					5	1.6 TO 1.8							
1.5 TO 1.6	1	2	2	1			6	1.5 TO 1.6							
1.4 TO 1.5		25	4				29	1.4 TO 1.5							
1.3 TO 1.4	47	106	13	3			169	1.3 TO 1.4							
1.2 TO 1.3	233	539	60	4			846	1.2 TO 1.3							
1.1 TO 1.2	1167	1415	191	7			2780	1.1 TO 1.2							
0.8 TO 0.9	423	490	43	5			961	0.8 TO 0.9	21	159	53	1			234
0.7 TO 0.8	57	64	7	1			129	0.7 TO 0.8	2	13	7				22
0.6 TO 0.7	3	6	1				10	0.6 TO 0.7							3
0.4 TO 0.6								0.4 TO 0.6							2
0.2 TO 0.4			1				1	0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	461.1	788.9	238.6	10.8			1499.4	FLT TIME (MIN)	56.2	366.3	148.1	13.5			584.1
Altitude: 3000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.9								ABOVE 2.9							
2.4 TO 2.9								2.4 TO 2.9							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6		1	1	2			2	1.5 TO 1.6							
1.4 TO 1.5	1	5	5	11			12	1.4 TO 1.5							
1.3 TO 1.4	1	16	17	11			45	1.3 TO 1.4							
1.2 TO 1.3	13	41	74	19			152	1.2 TO 1.3	14	17	13	2			25
1.1 TO 1.2	57	150	141	36			404	1.1 TO 1.2	51	98	86	33			268
0.8 TO 0.9	34	74	44	12			164	0.8 TO 0.9	44	57	36	24			161
0.7 TO 0.8	3	6	4				13	0.7 TO 0.8	9	6					15
0.6 TO 0.7		6					6	0.6 TO 0.7	4	1					5
0.4 TO 0.6		1					1	0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	375.3	626.5	219.5	53.0			1274.4	FLT TIME (MIN)	308.4	853.5	120.8	23.5			1109.3
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.9								ABOVE 2.9							
2.4 TO 2.9								2.4 TO 2.9							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8		4					4	1.6 TO 1.8							
1.5 TO 1.6		6	1				7	1.5 TO 1.6							
1.4 TO 1.5		11					11	1.4 TO 1.5							
1.3 TO 1.4	1	14	3	1			19	1.3 TO 1.4	1	21	1				23
1.2 TO 1.3	14	82	15	2			113	1.2 TO 1.3	3	128	11				142
1.1 TO 1.2	72	440	50	3			615	1.1 TO 1.2	8	526	30				564
0.8 TO 0.9	41	206	37				284	0.8 TO 0.9	4	160	3				167
0.7 TO 0.8	10	28					38	0.7 TO 0.8		25	3				28
0.6 TO 0.7	2	3		1			6	0.6 TO 0.7		4	2				6
0.4 TO 0.6								0.4 TO 0.6			1				1
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	123.4	1688.5	97.3	2.5			1911.7	FLT TIME (MIN)	42.5	1094.4	43.2				1194.2
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	AND ABOVE	NZ	NZ	150	200	250	300	350	AND ABOVE	NZ
ABOVE 2.9								ABOVE 2.9							
2.4 TO 2.9								2.4 TO 2.9							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	20.0	119.0					139.0	FLT TIME (MIN)	4.0						

Table 152
TC-130 — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.4								ABOVE 2.4							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 1.8								2.0 TO 1.8							
1.8 TO 1.6								1.8 TO 1.6							
1.6 TO 1.5								1.6 TO 1.5							
1.5 TO 1.4								1.5 TO 1.4							
1.4 TO 1.3								1.4 TO 1.3							
1.3 TO 1.2								1.3 TO 1.2							
1.2 TO 1.1								1.2 TO 1.1							
1.1 TO 1.0								1.1 TO 1.0							
0.9 TO 0.8								0.9 TO 0.8							
0.8 TO 0.7								0.8 TO 0.7							
0.7 TO 0.6								0.7 TO 0.6							
0.6 TO 0.5								0.6 TO 0.5							
0.5 TO 0.4								0.5 TO 0.4							
0.4 TO 0.3								0.4 TO 0.3							
0.3 TO 0.2								0.3 TO 0.2							
0.2 TO 0.1								0.2 TO 0.1							
0.1 TO 0.0								0.1 TO 0.0							
0.0 TO 0.0								0.0 TO 0.0							
FLY TIME (MIN)	1.0	1.0					2.0	FLY TIME (MIN)	2.0						2.0
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.4								ABOVE 2.4							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 1.8								2.0 TO 1.8							
1.8 TO 1.6								1.8 TO 1.6							
1.6 TO 1.5								1.6 TO 1.5							
1.5 TO 1.4								1.5 TO 1.4							
1.4 TO 1.3								1.4 TO 1.3							
1.3 TO 1.2								1.3 TO 1.2							
1.2 TO 1.1								1.2 TO 1.1							
1.1 TO 1.0								1.1 TO 1.0							
0.9 TO 0.8								0.9 TO 0.8							
0.8 TO 0.7								0.8 TO 0.7							
0.7 TO 0.6								0.7 TO 0.6							
0.6 TO 0.5								0.6 TO 0.5							
0.5 TO 0.4								0.5 TO 0.4							
0.4 TO 0.3								0.4 TO 0.3							
0.3 TO 0.2								0.3 TO 0.2							
0.2 TO 0.1								0.2 TO 0.1							
0.1 TO 0.0								0.1 TO 0.0							
0.0 TO 0.0								0.0 TO 0.0							
FLY TIME (MIN)	4.0						4.0	FLY TIME (MIN)	4.0						4.0

Table 153

**JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 85, 000 to 95, 000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							TOTAL	EQUIVALENT AIRSPEED - VE (KNOTS)							TOTAL
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA N2
ABOVE 1.9								ABOVE 1.9							
1.4 TO 1.9								1.4 TO 1.9							
1.0 TO 1.4								1.0 TO 1.4							
0.6 TO 1.0								0.6 TO 1.0							
0.2 TO 0.6								0.2 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	35.5	26.0	0.9				62.4	FLT TIME (MIN)	35.8	73.9	19.6	0.2			129.4

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							TOTAL	EQUIVALENT AIRSPEED - VE (KNOTS)							TOTAL
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA N2
ABOVE 1.9								ABOVE 1.9							
1.4 TO 1.9								1.4 TO 1.9							
1.0 TO 1.4								1.0 TO 1.4							
0.6 TO 1.0								0.6 TO 1.0							
0.2 TO 0.6								0.2 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	127.5	74.3	15.7	2.7			172.6	FLT TIME (MIN)	66.0	15.9	13.9	1.3			75.1

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							TOTAL	EQUIVALENT AIRSPEED - VE (KNOTS)							TOTAL
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA N2
ABOVE 1.9								ABOVE 1.9							
1.4 TO 1.9								1.4 TO 1.9							
1.0 TO 1.4								1.0 TO 1.4							
0.6 TO 1.0								0.6 TO 1.0							
0.2 TO 0.6								0.2 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	35.4	9.7					45.0	FLT TIME (MIN)	5.3	25.6	6.8				36.0

Table 154
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	129.8	112.4	51.0	0.3		293.5	FLT TIME (MIN)	34.1	105.8	58.6	7.0		205.6
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	1062.6	142.2	144.1	11.0		1362.0	FLT TIME (MIN)	345.0	116.7	142.4	6.3		610.3
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	9.4	100.0	16.3			126.3	FLT TIME (MIN)	4.3	119.5	92.9			212.7
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 to 35,000 feet						
LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.4 TO 1.0							1.4 TO 1.0						
1.0 TO 1.4							1.0 TO 1.4						
0.8 TO 1.0							0.8 TO 1.0						
0.6 TO 0.8							0.6 TO 0.8						
0.5 TO 0.6							0.5 TO 0.6						
0.4 TO 0.5							0.4 TO 0.5						
0.3 TO 0.4							0.3 TO 0.4						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLT TIME (MIN)	3.3	5.5				8.8	FLT TIME (MIN)						

Table 155
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.0							ABOVE 1.0						
1.0 TO 1.5							1.0 TO 1.5						
1.5 TO 2.0							1.5 TO 2.0						
2.0 TO 2.5							2.0 TO 2.5						
2.5 TO 3.0							2.5 TO 3.0						
3.0 TO 3.5							3.0 TO 3.5						
3.5 TO 4.0							3.5 TO 4.0						
4.0 TO 4.5							4.0 TO 4.5						
4.5 TO 5.0							4.5 TO 5.0						
5.0 TO 5.5							5.0 TO 5.5						
5.5 TO 6.0							5.5 TO 6.0						
6.0 TO 6.5							6.0 TO 6.5						
6.5 TO 7.0							6.5 TO 7.0						
7.0 TO 7.5							7.0 TO 7.5						
7.5 TO 8.0							7.5 TO 8.0						
8.0 TO 8.5							8.0 TO 8.5						
8.5 TO 9.0							8.5 TO 9.0						
9.0 TO 9.5							9.0 TO 9.5						
9.5 TO 10.0							9.5 TO 10.0						
10.0 TO 10.5							10.0 TO 10.5						
10.5 TO 11.0							10.5 TO 11.0						
11.0 TO 11.5							11.0 TO 11.5						
11.5 TO 12.0							11.5 TO 12.0						
12.0 TO 12.5							12.0 TO 12.5						
12.5 TO 13.0							12.5 TO 13.0						
13.0 TO 13.5							13.0 TO 13.5						
13.5 TO 14.0							13.5 TO 14.0						
14.0 TO 14.5							14.0 TO 14.5						
14.5 TO 15.0							14.5 TO 15.0						
15.0 TO 15.5							15.0 TO 15.5						
15.5 TO 16.0							15.5 TO 16.0						
16.0 TO 16.5							16.0 TO 16.5						
16.5 TO 17.0							16.5 TO 17.0						
17.0 TO 17.5							17.0 TO 17.5						
17.5 TO 18.0							17.5 TO 18.0						
18.0 TO 18.5							18.0 TO 18.5						
18.5 TO 19.0							18.5 TO 19.0						
19.0 TO 19.5							19.0 TO 19.5						
19.5 TO 20.0							19.5 TO 20.0						
20.0 TO 20.5							20.0 TO 20.5						
20.5 TO 21.0							20.5 TO 21.0						
21.0 TO 21.5							21.0 TO 21.5						
21.5 TO 22.0							21.5 TO 22.0						
22.0 TO 22.5							22.0 TO 22.5						
22.5 TO 23.0							22.5 TO 23.0						
23.0 TO 23.5							23.0 TO 23.5						
23.5 TO 24.0							23.5 TO 24.0						
24.0 TO 24.5							24.0 TO 24.5						
24.5 TO 25.0							24.5 TO 25.0						
25.0 TO 25.5							25.0 TO 25.5						
25.5 TO 26.0							25.5 TO 26.0						
26.0 TO 26.5							26.0 TO 26.5						
26.5 TO 27.0							26.5 TO 27.0						
27.0 TO 27.5							27.0 TO 27.5						
27.5 TO 28.0							27.5 TO 28.0						
28.0 TO 28.5							28.0 TO 28.5						
28.5 TO 29.0							28.5 TO 29.0						
29.0 TO 29.5							29.0 TO 29.5						
29.5 TO 30.0							29.5 TO 30.0						
30.0 TO 30.5							30.0 TO 30.5						
30.5 TO 31.0							30.5 TO 31.0						
31.0 TO 31.5							31.0 TO 31.5						
31.5 TO 32.0							31.5 TO 32.0						
32.0 TO 32.5							32.0 TO 32.5						
32.5 TO 33.0							32.5 TO 33.0						
33.0 TO 33.5							33.0 TO 33.5						
33.5 TO 34.0							33.5 TO 34.0						
34.0 TO 34.5							34.0 TO 34.5						
34.5 TO 35.0							34.5 TO 35.0						
35.0 TO 35.5							35.0 TO 35.5						
35.5 TO 36.0							35.5 TO 36.0						
36.0 TO 36.5							36.0 TO 36.5						
36.5 TO 37.0							36.5 TO 37.0						
37.0 TO 37.5							37.0 TO 37.5						
37.5 TO 38.0							37.5 TO 38.0						
38.0 TO 38.5							38.0 TO 38.5						
38.5 TO 39.0							38.5 TO 39.0						
39.0 TO 39.5							39.0 TO 39.5						
39.5 TO 40.0							39.5 TO 40.0						
40.0 TO 40.5							40.0 TO 40.5						
40.5 TO 41.0							40.5 TO 41.0						
41.0 TO 41.5							41.0 TO 41.5						
41.5 TO 42.0							41.5 TO 42.0						
42.0 TO 42.5							42.0 TO 42.5						
42.5 TO 43.0							42.5 TO 43.0						
43.0 TO 43.5							43.0 TO 43.5						
43.5 TO 44.0							43.5 TO 44.0						
44.0 TO 44.5							44.0 TO 44.5						
44.5 TO 45.0							44.5 TO 45.0						
45.0 TO 45.5							45.0 TO 45.5						
45.5 TO 46.0							45.5 TO 46.0						
46.0 TO 46.5							46.0 TO 46.5						
46.5 TO 47.0							46.5 TO 47.0						
47.0 TO 47.5							47.0 TO 47.5						
47.5 TO 48.0							47.5 TO 48.0						
48.0 TO 48.5							48.0 TO 48.5						
48.5 TO 49.0							48.5 TO 49.0						
49.0 TO 49.5							49.0 TO 49.5						
49.5 TO 50.0							49.5 TO 50.0						
50.0 TO 50.5							50.0 TO 50.5						
50.5 TO 51.0							50.5 TO 51.0						
51.0 TO 51.5							51.0 TO 51.5						
51.5 TO 52.0							51.5 TO 52.0						
52.0 TO 52.5							52.0 TO 52.5						
52.5 TO 53.0							52.5 TO 53.0						
53.0 TO 53.5							53.0 TO 53.5						
53.5 TO 54.0							53.5 TO 54.0						
54.0 TO 54.5							54.0 TO 54.5						
54.5 TO 55.0							54.5 TO 55.0						
55.0 TO 55.5							55.0 TO 55.5						
55.5 TO 56.0							55.5 TO 56.0						
56.0 TO 56.5							56.0 TO 56.5						
56.5 TO 57.0							56.5 TO 57.0						
57.0 TO 57.5							57.0 TO 57.5						
57.5 TO 58.0							57.5 TO 58.0						
58.0 TO 58.5							58.0 TO 58.5						
58.5 TO 59.0							58.5 TO 59.0						
59.0 TO 59.5							59.0 TO 59.5						
59.5 TO 60.0							59.5 TO 60.0						
60.0 TO 60.5							60.0 TO 60.5						
60.5 TO 61.0							60.5 TO 61.0						
61.0 TO 61.5							61.0 TO 61.5						
61.5 TO 62.0							61.5 TO 62.0						
62.0 TO 62.5							62.0 TO 62.5						
62.5 TO 63.0							62.5 TO 63.0						
63.0 TO 63.5							63.0 TO 63.5						
63.5 TO 64.0							63.5 TO 64.0						
64.0 TO 64.5							64.0 TO 64.5						
64.5 TO 65.0							64.5 TO 65.0						
65.0 TO 65.5							65.0 TO 65.5						
65.5 TO 66.0							65.5 TO 66.0						
66.0 TO 66.5							66.0 TO 66.5						
66.5 TO 67.0							66.5 TO 67.0						
67.0 TO 67.5							67.0 TO 67.5						
67.5 TO 68.0							67.5 TO 68.0						
68.0 TO 68.5							68.0 TO 68.5						
68.5 TO 69.0							68.5 TO 69.0						
69.0 TO 69.5							69.0 TO 69.5						
69.5 TO 70.0							69.5 TO 70.0						
70.0 TO 70.5							70.0 TO 70.5						
70.5 TO 71.0							70.5 TO 71.0						
71.0 TO 71.5							71.0 TO 71.5						
71.5													

Table 156
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet										Altitude: 2000 to 5000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)										EQUIVALENT AIRSPEED - VE (KNOTS)									
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2				
POSITIVE 1.0								POSITIVE 1.0											
1.0 TO 1.5								1.0 TO 1.5											
1.5 TO 2.0								1.5 TO 2.0											
2.0 TO 2.5								2.0 TO 2.5											
2.5 TO 3.0								2.5 TO 3.0											
3.0 TO 3.5								3.0 TO 3.5											
3.5 TO 4.0								3.5 TO 4.0											
4.0 TO 4.5								4.0 TO 4.5											
4.5 TO 5.0								4.5 TO 5.0											
5.0 TO 5.5								5.0 TO 5.5											
5.5 TO 6.0								5.5 TO 6.0											
6.0 TO 6.5								6.0 TO 6.5											
6.5 TO 7.0								6.5 TO 7.0											
7.0 TO 7.5								7.0 TO 7.5											
7.5 TO 8.0								7.5 TO 8.0											
8.0 TO 8.5								8.0 TO 8.5											
8.5 TO 9.0								8.5 TO 9.0											
9.0 TO 9.5								9.0 TO 9.5											
9.5 TO 10.0								9.5 TO 10.0											
10.0 TO 10.5								10.0 TO 10.5											
10.5 TO 11.0								10.5 TO 11.0											
11.0 TO 11.5								11.0 TO 11.5											
11.5 TO 12.0								11.5 TO 12.0											
12.0 TO 12.5								12.0 TO 12.5											
12.5 TO 13.0								12.5 TO 13.0											
13.0 TO 13.5								13.0 TO 13.5											
13.5 TO 14.0								13.5 TO 14.0											
14.0 TO 14.5								14.0 TO 14.5											
14.5 TO 15.0								14.5 TO 15.0											
15.0 TO 15.5								15.0 TO 15.5											
15.5 TO 16.0								15.5 TO 16.0											
16.0 TO 16.5								16.0 TO 16.5											
16.5 TO 17.0								16.5 TO 17.0											
17.0 TO 17.5								17.0 TO 17.5											
17.5 TO 18.0								17.5 TO 18.0											
18.0 TO 18.5								18.0 TO 18.5											
18.5 TO 19.0								18.5 TO 19.0											
19.0 TO 19.5								19.0 TO 19.5											
19.5 TO 20.0								19.5 TO 20.0											
20.0 TO 20.5								20.0 TO 20.5											
20.5 TO 21.0								20.5 TO 21.0											
21.0 TO 21.5								21.0 TO 21.5											
21.5 TO 22.0								21.5 TO 22.0											
22.0 TO 22.5								22.0 TO 22.5											
22.5 TO 23.0								22.5 TO 23.0											
23.0 TO 23.5								23.0 TO 23.5											
23.5 TO 24.0								23.5 TO 24.0											
24.0 TO 24.5								24.0 TO 24.5											
24.5 TO 25.0								24.5 TO 25.0											
25.0 TO 25.5								25.0 TO 25.5											
25.5 TO 26.0								25.5 TO 26.0											
26.0 TO 26.5								26.0 TO 26.5											
26.5 TO 27.0								26.5 TO 27.0											
27.0 TO 27.5								27.0 TO 27.5											
27.5 TO 28.0								27.5 TO 28.0											
28.0 TO 28.5								28.0 TO 28.5											
28.5 TO 29.0								28.5 TO 29.0											
29.0 TO 29.5								29.0 TO 29.5											
29.5 TO 30.0								29.5 TO 30.0											
30.0 TO 30.5								30.0 TO 30.5											
30.5 TO 31.0								30.5 TO 31.0											
31.0 TO 31.5								31.0 TO 31.5											
31.5 TO 32.0								31.5 TO 32.0											
32.0 TO 32.5								32.0 TO 32.5											
32.5 TO 33.0								32.5 TO 33.0											
33.0 TO 33.5								33.0 TO 33.5											
33.5 TO 34.0								33.5 TO 34.0											
34.0 TO 34.5								34.0 TO 34.5											
34.5 TO 35.0								34.5 TO 35.0											
35.0 TO 35.5								35.0 TO 35.5											
35.5 TO 36.0								35.5 TO 36.0											
36.0 TO 36.5								36.0 TO 36.5											
36.5 TO 37.0								36.5 TO 37.0											
37.0 TO 37.5								37.0 TO 37.5											
37.5 TO 38.0								37.5 TO 38.0											
38.0 TO 38.5								38.0 TO 38.5											
38.5 TO 39.0								38.5 TO 39.0											
39.0 TO 39.5								39.0 TO 39.5											
39.5 TO 40.0								39.5 TO 40.0											
40.0 TO 40.5								40.0 TO 40.5											
40.5 TO 41.0								40.5 TO 41.0											
41.0 TO 41.5								41.0 TO 41.5											
41.5 TO 42.0								41.5 TO 42.0											
42.0 TO 42.5								42.0 TO 42.5											
42.5 TO 43.0								42.5 TO 43.0											
43.0 TO 43.5								43.0 TO 43.5											
43.5 TO 44.0								43.5 TO 44.0											
44.0 TO 44.5								44.0 TO 44.5											
44.5 TO 45.0								44.5 TO 45.0											
45.0 TO 45.5																			

Table 157

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet										
EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL		EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL	
LOAD FACTOR DELTA M	LESS THAN 15G	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA M	LOAD FACTOR DELTA M	LESS THAN 15G	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA M		
ABOVE 1.0								ABOVE 1.0									
1.4 TO 1.0								1.4 TO 1.0									
1.0 TO 1.4								1.0 TO 1.4									
0.8 TO 1.0								0.8 TO 1.0									
0.6 TO 0.8								0.6 TO 0.8									
0.5 TO 0.6								0.5 TO 0.6									
0.4 TO 0.5								0.4 TO 0.5									
0.3 TO 0.4								0.3 TO 0.4									
0.2 TO 0.3	2	10					30	0.2 TO 0.3									
0.1 TO 0.2	3	117	1				121	0.1 TO 0.2									
-0.2 TO -0.1	4	93					97	-0.2 TO -0.1									
-0.3 TO -0.2	1	13					14	-0.3 TO -0.2									
-0.4 TO -0.3		4					4	-0.4 TO -0.3									
-0.5 TO -0.4	1						1	-0.5 TO -0.4									
-0.6 TO -0.5								-0.6 TO -0.5									
-0.8 TO -0.6								-0.8 TO -0.6									
-1.0 TO -0.8								-1.0 TO -0.8									
BELOW -1.0								BELOW -1.0									
FLT TIME (MIN)	10.5	34.0	4.1				48.7	FLT TIME (MIN)	24.2	1.0					25.2		

Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet										
EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL		EQUIVALENT		AIRSPEED - VE (KNOTS)					TOTAL	
LOAD FACTOR DELTA M	LESS THAN 15G	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA M	LOAD FACTOR DELTA M	LESS THAN 15G	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA M		
ABOVE 1.0								ABOVE 1.0									
1.4 TO 1.0								1.4 TO 1.0									
1.0 TO 1.4								1.0 TO 1.4									
0.8 TO 1.0								0.8 TO 1.0									
0.6 TO 0.8								0.6 TO 0.8									
0.5 TO 0.6								0.5 TO 0.6									
0.4 TO 0.5								0.4 TO 0.5									
0.3 TO 0.4								0.3 TO 0.4									
0.2 TO 0.3								0.2 TO 0.3									
0.1 TO 0.2								0.1 TO 0.2									
-0.2 TO -0.1								-0.2 TO -0.1									
-0.3 TO -0.2								-0.3 TO -0.2									
-0.4 TO -0.3								-0.4 TO -0.3									
-0.5 TO -0.4								-0.5 TO -0.4									
-0.6 TO -0.5								-0.6 TO -0.5									
-0.8 TO -0.6								-0.8 TO -0.6									
-1.0 TO -0.8								-1.0 TO -0.8									
BELOW -1.0								BELOW -1.0									
FLT TIME (MIN)		17.5	4.4				22.1	FLT TIME (MIN)		4.0					4.0		

Table 158
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 85,000 to 95,000 LL

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet								
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ARRIVE 1.0								ARRIVE 1.0							
1.0 TO 1.1								1.0 TO 1.1							
1.1 TO 1.2								1.1 TO 1.2							
1.2 TO 1.3								1.2 TO 1.3							
1.3 TO 1.4								1.3 TO 1.4							
1.4 TO 1.5								1.4 TO 1.5							
1.5 TO 1.6								1.5 TO 1.6							
1.6 TO 1.7								1.6 TO 1.7							
1.7 TO 1.8								1.7 TO 1.8							
1.8 TO 1.9								1.8 TO 1.9							
1.9 TO 2.0								1.9 TO 2.0							
2.0 TO 2.1								2.0 TO 2.1							
2.1 TO 2.2								2.1 TO 2.2							
2.2 TO 2.3								2.2 TO 2.3							
2.3 TO 2.4								2.3 TO 2.4							
2.4 TO 2.5								2.4 TO 2.5							
2.5 TO 2.6								2.5 TO 2.6							
2.6 TO 2.7								2.6 TO 2.7							
2.7 TO 2.8								2.7 TO 2.8							
2.8 TO 2.9								2.8 TO 2.9							
2.9 TO 3.0								2.9 TO 3.0							
3.0 TO 3.1								3.0 TO 3.1							
3.1 TO 3.2								3.1 TO 3.2							
3.2 TO 3.3								3.2 TO 3.3							
3.3 TO 3.4								3.3 TO 3.4							
3.4 TO 3.5								3.4 TO 3.5							
3.5 TO 3.6								3.5 TO 3.6							
3.6 TO 3.7								3.6 TO 3.7							
3.7 TO 3.8								3.7 TO 3.8							
3.8 TO 3.9								3.8 TO 3.9							
3.9 TO 4.0								3.9 TO 4.0							
4.0 TO 4.1								4.0 TO 4.1							
4.1 TO 4.2								4.1 TO 4.2							
4.2 TO 4.3								4.2 TO 4.3							
4.3 TO 4.4								4.3 TO 4.4							
4.4 TO 4.5								4.4 TO 4.5							
4.5 TO 4.6								4.5 TO 4.6							
4.6 TO 4.7								4.6 TO 4.7							
4.7 TO 4.8								4.7 TO 4.8							
4.8 TO 4.9								4.8 TO 4.9							
4.9 TO 5.0								4.9 TO 5.0							
5.0 TO 5.1								5.0 TO 5.1							
5.1 TO 5.2								5.1 TO 5.2							
5.2 TO 5.3								5.2 TO 5.3							
5.3 TO 5.4								5.3 TO 5.4							
5.4 TO 5.5								5.4 TO 5.5							
5.5 TO 5.6								5.5 TO 5.6							
5.6 TO 5.7								5.6 TO 5.7							
5.7 TO 5.8								5.7 TO 5.8							
5.8 TO 5.9								5.8 TO 5.9							
5.9 TO 6.0								5.9 TO 6.0							
6.0 TO 6.1								6.0 TO 6.1							
6.1 TO 6.2								6.1 TO 6.2							
6.2 TO 6.3								6.2 TO 6.3							
6.3 TO 6.4								6.3 TO 6.4							
6.4 TO 6.5								6.4 TO 6.5							
6.5 TO 6.6								6.5 TO 6.6							
6.6 TO 6.7								6.6 TO 6.7							
6.7 TO 6.8								6.7 TO 6.8							
6.8 TO 6.9								6.8 TO 6.9							
6.9 TO 7.0								6.9 TO 7.0							
7.0 TO 7.1								7.0 TO 7.1							
7.1 TO 7.2								7.1 TO 7.2							
7.2 TO 7.3								7.2 TO 7.3							
7.3 TO 7.4								7.3 TO 7.4							
7.4 TO 7.5								7.4 TO 7.5							
7.5 TO 7.6								7.5 TO 7.6							
7.6 TO 7.7								7.6 TO 7.7							
7.7 TO 7.8								7.7 TO 7.8							
7.8 TO 7.9								7.8 TO 7.9							
7.9 TO 8.0								7.9 TO 8.0							
8.0 TO 8.1								8.0 TO 8.1							
8.1 TO 8.2								8.1 TO 8.2							
8.2 TO 8.3								8.2 TO 8.3							
8.3 TO 8.4								8.3 TO 8.4							
8.4 TO 8.5								8.4 TO 8.5							
8.5 TO 8.6								8.5 TO 8.6							
8.6 TO 8.7								8.6 TO 8.7							
8.7 TO 8.8								8.7 TO 8.8							
8.8 TO 8.9								8.8 TO 8.9							
8.9 TO 9.0								8.9 TO 9.0							
9.0 TO 9.1								9.0 TO 9.1							
9.1 TO 9.2								9.1 TO 9.2							
9.2 TO 9.3								9.2 TO 9.3							
9.3 TO 9.4								9.3 TO 9.4							
9.4 TO 9.5								9.4 TO 9.5							
9.5 TO 9.6								9.5 TO 9.6							
9.6 TO 9.7								9.6 TO 9.7							
9.7 TO 9.8								9.7 TO 9.8							
9.8 TO 9.9								9.8 TO 9.9							
9.9 TO 10.0								9.9 TO 10.0							
10.0 TO 10.1								10.0 TO 10.1							
10.1 TO 10.2								10.1 TO 10.2							
10.2 TO 10.3								10.2 TO 10.3							
10.3 TO 10.4								10.3 TO 10.4							
10.4 TO 10.5								10.4 TO 10.5							

Table 159
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA W	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA W	LOAD FACTOR DELTA W	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA W
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
1.0 TO 1.1								1.0 TO 1.1							
0.9 TO 1.0								0.9 TO 1.0							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.5 TO -0.4								-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-0.7 TO -0.6								-0.7 TO -0.6							
-0.8 TO -0.7								-0.8 TO -0.7							
-0.9 TO -0.8								-0.9 TO -0.8							
-1.0 TO -0.9								-1.0 TO -0.9							
FLY TIME (MIN)	4.1	4.7	7.7				11.5	FLY TIME (MIN)	4.1	3.0	2.8				9.9

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA W	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA W	LOAD FACTOR DELTA W	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA W
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
1.0 TO 1.1								1.0 TO 1.1							
0.9 TO 1.0								0.9 TO 1.0							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.5 TO -0.4								-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-0.7 TO -0.6								-0.7 TO -0.6							
-0.8 TO -0.7								-0.8 TO -0.7							
-0.9 TO -0.8								-0.9 TO -0.8							
-1.0 TO -0.9								-1.0 TO -0.9							
FLY TIME (MIN)	1.1	0.6	1.2				14.9	FLY TIME (MIN)	1.3	21.5					22.8

Table 160

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Table 161
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2,000 feet										Altitude: 2,000 to 5,000 feet									
EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ					EQUIVALENT AIRSPEED - VE (KNOTS)		TOTAL DELTA WZ										
LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA WZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	DELTA WZ						
APPROX 1.0							APPROX 1.0												
1.0 TO 1.5							1.0 TO 1.5												
1.5 TO 2.0							1.5 TO 2.0												
2.0 TO 2.5							2.0 TO 2.5												
2.5 TO 3.0							2.5 TO 3.0												
3.0 TO 3.5							3.0 TO 3.5												
3.5 TO 4.0							3.5 TO 4.0												
4.0 TO 4.5							4.0 TO 4.5												
4.5 TO 5.0							4.5 TO 5.0												
5.0 TO 5.5							5.0 TO 5.5												
5.5 TO 6.0							5.5 TO 6.0												
6.0 TO 6.5							6.0 TO 6.5												
6.5 TO 7.0							6.5 TO 7.0												
7.0 TO 7.5							7.0 TO 7.5												
7.5 TO 8.0							7.5 TO 8.0												
8.0 TO 8.5							8.0 TO 8.5												
8.5 TO 9.0							8.5 TO 9.0												
9.0 TO 9.5							9.0 TO 9.5												
9.5 TO 10.0							9.5 TO 10.0												
10.0 TO 10.5							10.0 TO 10.5												
10.5 TO 11.0							10.5 TO 11.0												
11.0 TO 11.5							11.0 TO 11.5												
11.5 TO 12.0							11.5 TO 12.0												
12.0 TO 12.5							12.0 TO 12.5												
12.5 TO 13.0							12.5 TO 13.0												
13.0 TO 13.5							13.0 TO 13.5												
13.5 TO 14.0							13.5 TO 14.0												
14.0 TO 14.5							14.0 TO 14.5												
14.5 TO 15.0							14.5 TO 15.0												
15.0 TO 15.5							15.0 TO 15.5												
15.5 TO 16.0							15.5 TO 16.0												
16.0 TO 16.5							16.0 TO 16.5												
16.5 TO 17.0							16.5 TO 17.0												
17.0 TO 17.5							17.0 TO 17.5												
17.5 TO 18.0							17.5 TO 18.0												
18.0 TO 18.5							18.0 TO 18.5												
18.5 TO 19.0							18.5 TO 19.0												
19.0 TO 19.5							19.0 TO 19.5												
19.5 TO 20.0							19.5 TO 20.0												
20.0 TO 20.5							20.0 TO 20.5												
20.5 TO 21.0							20.5 TO 21.0												
21.0 TO 21.5							21.0 TO 21.5												
21.5 TO 22.0							21.5 TO 22.0												
22.0 TO 22.5							22.0 TO 22.5												
22.5 TO 23.0							22.5 TO 23.0												
23.0 TO 23.5							23.0 TO 23.5												
23.5 TO 24.0							23.5 TO 24.0												
24.0 TO 24.5							24.0 TO 24.5												
24.5 TO 25.0							24.5 TO 25.0												
25.0 TO 25.5							25.0 TO 25.5												
25.5 TO 26.0							25.5 TO 26.0												
26.0 TO 26.5							26.0 TO 26.5												
26.5 TO 27.0							26.5 TO 27.0												
27.0 TO 27.5							27.0 TO 27.5												
27.5 TO 28.0							27.5 TO 28.0												
28.0 TO 28.5							28.0 TO 28.5												
28.5 TO 29.0							28.5 TO 29.0												
29.0 TO 29.5							29.0 TO 29.5												
29.5 TO 30.0							29.5 TO 30.0												
30.0 TO 30.5							30.0 TO 30.5												
30.5 TO 31.0							30.5 TO 31.0												
31.0 TO 31.5							31.0 TO 31.5												
31.5 TO 32.0							31.5 TO 32.0												
32.0 TO 32.5							32.0 TO 32.5												
32.5 TO 33.0							32.5 TO 33.0												
33.0 TO 33.5							33.0 TO 33.5												
33.5 TO 34.0							33.5 TO 34.0												
34.0 TO 34.5							34.0 TO 34.5												
34.5 TO 35.0							34.5 TO 35.0												
35.0 TO 35.5							35.0 TO 35.5												
35.5 TO 36.0							35.5 TO 36.0												
36.0 TO 36.5							36.0 TO 36.5												
36.5 TO 37.0							36.5 TO 37.0												
37.0 TO 37.5							37.0 TO 37.5												
37.5 TO 38.0							37.5 TO 38.0												
38.0 TO 38.5							38.0 TO 38.5												
38.5 TO 39.0							38.5 TO 39.0												
39.0 TO 39.5							39.0 TO 39.5												
39.5 TO 40.0							39.5 TO 40.0												
40.0 TO 40.5							40.0 TO 40.5												
40.5 TO 41.0							40.5 TO 41.0												
41.0 TO 41.5							41.0 TO 41.5												
41.5 TO 42.0							41.5 TO 42.0												
42.0 TO 42.5							42.0 TO 42.5												
42.5 TO 43.0							42.5 TO 43.0												
43.0 TO 43.5							43.0 TO 43.5												

**JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 125,000 lb. and Above**

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Table 163
 JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
 Airspeed and Altitude — Mission II (Training) —
 Gross Weight Range: 75, 000 to 85, 000 lb.

Altitude: 25, 000 to 30, 000 feet							
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED — VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
	NO ENTRIES						
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLY TIME (MIN)		92.5				92.5	

Table 164

JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	309.7	329.3	27.3				642.3	FLT TIME (MIN)	74.2	183.0	35.5	1.4			294.1
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	38.7	64.5	53.5	8.3			167.0	FLT TIME (MIN)	4.3	47.2	25.2	2.3			79.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	6.8	244.7	17.6				269.1	FLT TIME (MIN)	2.0	77.7	14.4				93.6
Altitude: 25,000 to 30,000 feet															
EQUIVALENT AIRSPEED - VE (KNOTS)															
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2								
ABOVE 1.0															
1.4 TO 1.0															
1.0 TO 1.4															
0.8 TO 1.0															
0.6 TO 0.8															
0.5 TO 0.6															
0.4 TO 0.5															
0.3 TO 0.4															
0.2 TO 0.3															
0.1 TO 0.2															
-0.2 TO -0.1															
-0.3 TO -0.2															
-0.4 TO -0.3															
-0.6 TO -0.4															
-0.8 TO -0.6															
-1.0 TO -0.8															
BELOW -1.0															
FLT TIME (MIN)	8.0	111.0	1.0				120.0								

Table 165

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Table 166
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8	1	5	4				10	0.6 TO 0.8							
0.5 TO 0.6	1	15	7	1			24	0.5 TO 0.6	1	1					1
0.4 TO 0.5	5	41	14				61	0.4 TO 0.5	1	4	2	1			8
0.3 TO 0.4	51	175	35	6			267	0.3 TO 0.4	8	44	15				67
0.2 TO 0.3	201	699	171	29			1100	0.2 TO 0.3	26	106	71	4			207
0.1 TO 0.2	1017	3050	1040	112			6049	0.1 TO 0.2	204	958	257	24			1443
-0.2 TO -0.1	1501	2545	1127	113			5366	-0.2 TO -0.1	224	873	305	15			1417
-0.3 TO -0.2	152	409	174	25			710	-0.3 TO -0.2	34	143	42	2			275
-0.4 TO -0.3	18	78	16	4			116	-0.4 TO -0.3	3	18	12				33
-0.6 TO -0.4	7	21	5	3			36	-0.6 TO -0.4		11					11
-0.8 TO -0.6		1					1	-0.8 TO -0.6							
-1.0 TO -0.8							1	-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	473.5	1262.3	260.7	24.8			2421.2	FLT TIME (MIN)	103.7	538.3	157.1	19.6			808.7
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8		5					5	0.6 TO 0.8		1					1
0.5 TO 0.6		8	2				10	0.5 TO 0.6		1					1
0.4 TO 0.5		31	11				42	0.4 TO 0.5		3					3
0.3 TO 0.4		109	41	4			154	0.3 TO 0.4		14	3				17
0.2 TO 0.3		417	194	24			638	0.2 TO 0.3		61	18				79
0.1 TO 0.2	3						3	0.1 TO 0.2	3	213	57	9			282
-0.2 TO -0.1	2	331	147	16			496	-0.2 TO -0.1	1	227	31	3			262
-0.3 TO -0.2	1	107	32				140	-0.3 TO -0.2	1	42	12	1			56
-0.4 TO -0.3		28	7				35	-0.4 TO -0.3		10	2	1			13
-0.6 TO -0.4		11					11	-0.6 TO -0.4		5					5
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	208.5	369.2	101.7	50.3			709.7	FLT TIME (MIN)	126.9	461.5	206.9	20.7			916.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6			1				1	0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5		1	1				2
0.3 TO 0.4		1	1				2	0.3 TO 0.4		9	2				11
0.2 TO 0.3		3	11				14	0.2 TO 0.3		77	20				97
0.1 TO 0.2		57	39				96	0.1 TO 0.2	2	468	193				663
-0.2 TO -0.1		54	39				93	-0.2 TO -0.1		290	77				367
-0.3 TO -0.2		2	2				4	-0.3 TO -0.2		42	7				49
-0.4 TO -0.3			2				2	-0.4 TO -0.3		4	1				5
-0.6 TO -0.4		1					1	-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	59.3	151.2	172.5	0.1			383.1	FLT TIME (MIN)	28.0	594.5	72.4				795.3
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE		LESS THAN 150	150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1		1					1	-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	4.0	250.0					262.0	FLT TIME (MIN)	20.0	26.0					46.0

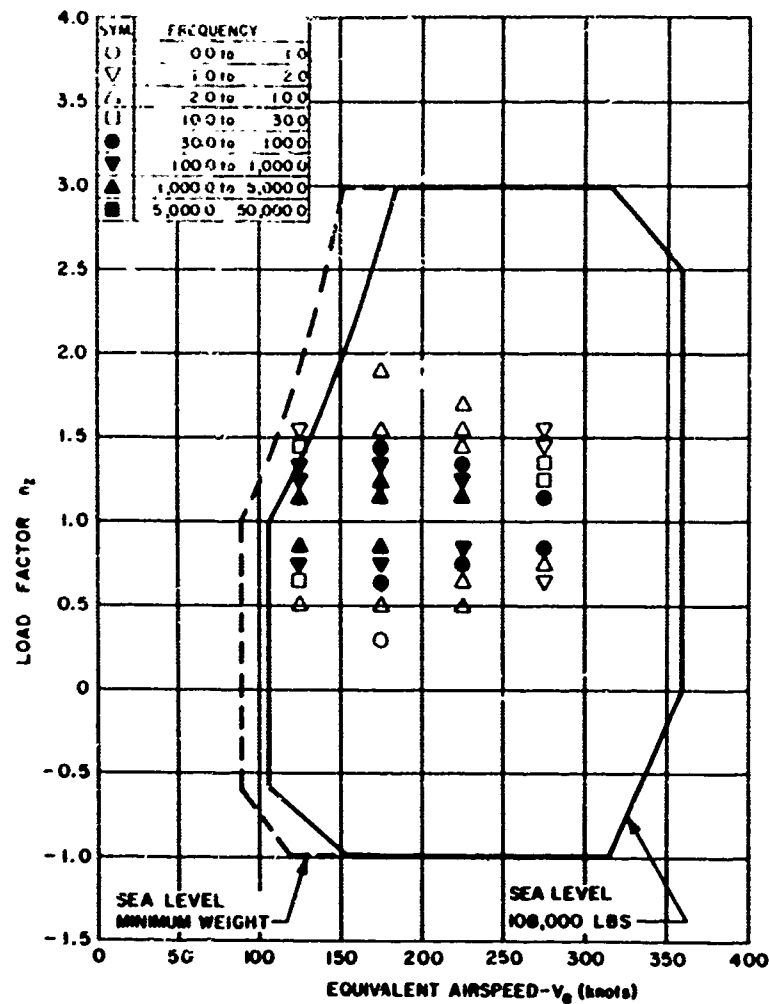
Table 167
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8		2					2	0.6 TO 0.8							
0.5 TO 0.6		3					3	0.5 TO 0.6		2					2
0.4 TO 0.5	2	29			1		30	0.4 TO 0.5		2	4		1		7
0.3 TO 0.4	10	96			5		120	0.3 TO 0.4	1	9	12		2		24
0.2 TO 0.3	89	392	191	19			641	0.2 TO 0.3	8	48	51	4			110
0.1 TO 0.2	650	1926	1150	86			3877	0.1 TO 0.2	40	297	242	24			605
-0.2 TO -0.1	623	1648	1130	62			3463	-0.2 TO -0.1	39	305	190	10			544
-0.3 TO -0.2	21	262	130	19			440	-0.3 TO -0.2	5	29	45	2			81
-0.4 TO -0.3	10	33	12	5			60	-0.4 TO -0.3	2	7	9	1			19
-0.5 TO -0.4	1	6	1				8	-0.5 TO -0.4		4	4				8
-0.6 TO -0.5								-0.6 TO -0.5							
-0.7 TO -0.6								-0.7 TO -0.6							
-0.8 TO -0.7								-0.8 TO -0.7							
-0.9 TO -0.8								-0.9 TO -0.8							
-1.0 TO -0.9								-1.0 TO -0.9							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	441.1	749.9	239.6	10.4			1499.4	FLY TIME (MIN)	56.2	366.3	140.1	13.5			584.1
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8		2	1				3	0.6 TO 0.8							
0.5 TO 0.6		2					2	0.5 TO 0.6							
0.4 TO 0.5		1	2				3	0.4 TO 0.5		2					2
0.3 TO 0.4		8	3	2			13	0.3 TO 0.4							
0.2 TO 0.3		16	8	4			28	0.2 TO 0.3	1	8	3				12
0.1 TO 0.2		29	28	3			60	0.1 TO 0.2	6	26	2				34
-0.2 TO -0.1	1	96	88	13			190	-0.2 TO -0.1	65	110	14				197
-0.3 TO -0.2		46	45	11			102	-0.3 TO -0.2	55	72	10				137
-0.4 TO -0.3		28	13	1			42	-0.4 TO -0.3	4	22	4				30
-0.5 TO -0.4		13	1				14	-0.5 TO -0.4	1	5	3				9
-0.6 TO -0.5		9					9	-0.6 TO -0.5		2					2
-0.7 TO -0.6		2					2	-0.7 TO -0.6							
-0.8 TO -0.7		2					2	-0.8 TO -0.7							
-0.9 TO -0.8								-0.9 TO -0.8							
-1.0 TO -0.9								-1.0 TO -0.9							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	375.3	606.5	21.5	51.0			1254.3	FLY TIME (MIN)	148.6	853.5	160.8	26.5			1189.4
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5		1					1	0.4 TO 0.5		9					9
0.3 TO 0.4		4					4	0.3 TO 0.4	1	14	1				21
0.2 TO 0.3		9	1				10	0.2 TO 0.3	1	92	6				99
0.1 TO 0.2		38	14				53	0.1 TO 0.2	5	462	35				502
-0.2 TO -0.1	1	41	14				56	-0.2 TO -0.1	4	479	21				504
-0.3 TO -0.2		7	3				10	-0.3 TO -0.2	3	97	11				111
-0.4 TO -0.3		5					5	-0.4 TO -0.3		19	7				26
-0.5 TO -0.4								-0.5 TO -0.4	1	4	1				6
-0.6 TO -0.5								-0.6 TO -0.5							
-0.7 TO -0.6								-0.7 TO -0.6							
-0.8 TO -0.7								-0.8 TO -0.7							
-0.9 TO -0.8								-0.9 TO -0.8							
-1.0 TO -0.9								-1.0 TO -0.9							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	123.4	1644.5	97.3	2.5			1911.7	FLY TIME (MIN)	42.5	1080.4	63.2				1196.2
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.0 TO 1.4								1.0 TO 1.4							
1.4 TO 1.8								1.4 TO 1.8							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.5 TO -0.4								-0.5 TO -0.4							
-0.6 TO -0.5								-0.6 TO -0.5							
-0.7 TO -0.6								-0.7 TO -0.6							
-0.8 TO -0.7								-0.8 TO -0.7							
-0.9 TO -0.8								-0.9 TO -0.8							
-1.0 TO -0.9								-1.0 TO -0.9							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	26.0	110.0					136.0	FLY TIME (MIN)	4.0						4.0

Table 168
JC-130 — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	1.0	1.0					2.0	FLY TIME (MIN)		2.0					2.0

Altitude: 1000 to 10,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4							
0.2 TO 0.3							
0.1 TO 0.2							
-0.2 TO -0.1							
-0.3 TO -0.2							
-0.4 TO -0.3							
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLY TIME (MIN)		4.0					4.0



Flight Time: 331.1 hr.

No. of Flights: 172

MANEUVER LOAD FACTOR (n_z)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL NO. n_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
2.5 & ABOVE							
2.4 TO 2.5							
2.0 TO 2.4							
1.5 TO 2.0		4.13					4.13
1.5 TO 1.5			4.13				4.13
1.5 TO 1.6	1.93	5.08	2.39	1.13			10.53
1.4 TO 1.5	19.30	30.23	9.11	1.60			60.24
1.3 TO 1.4	137.55	240.42	66.53	10.84			455.34
1.2 TO 1.3	852.91	1,065.94	253.98	19.29			2,192.11
1.1 TO 1.2	4,113.47	4,460.51	1,140.59	73.32			9,797.99
0.8 TO 0.9	1,846.94	2,213.01	630.13	39.29			4,734.37
0.7 TO 0.8	196.23	325.97	80.59	5.72			608.51
0.6 TO 0.7	26.82	44.04	4.34	1.13			76.33
0.4 TO 0.6	2.39	3.53	9.79				15.71
0.2 TO 0.4		0.73					0.73
0.0 TO 0.2							
BELOW 0.0							

Figure 54. HC-130G — Diagram and Tabulation of Maneuver Load Factors versus Equivalent Airspeed — Weighted Composite for All Missions

Table 169

HC-130G — Distribution of Incremental Gust Load Factors by
Equivalent Airspeed — Weighted Composite for All Missions

INCREMENTAL GUST LOAD FACTOR (Δn_z)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL NO. Δn_z
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
1.8 & ABOVE							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0	0.42		0.80				1.22
0.6 TO 0.8	1.24	0.82	0.40				2.46
0.5 TO 0.6	4.30	3.61	8.06				15.97
0.4 TO 0.5	6.36	17.31	17.45	2.19			43.31
0.3 TO 0.4	49.44	176.25	66.44	6.93			299.06
0.2 TO 0.3	183.61	218.67	251.08	31.98			1,085.34
0.1 TO 0.2	3,767.31	5,504.67	1,869.12	256.17			11,397.27
-0.2 TO -0.1	3,307.79	5,331.20	1,858.15	321.77			10,819.92
-0.3 TO -0.2	292.13	552.41	246.31	29.91			1,120.76
-0.4 TO -0.3	25.84	118.04	41.17	5.39			190.44
-0.6 TO -0.4	6.94	33.94	6.32	0.73			47.93
-0.8 TO -0.6	0.42	0.82	5.33				6.57
-1.0 TO -0.8							
BELOW -1.0							

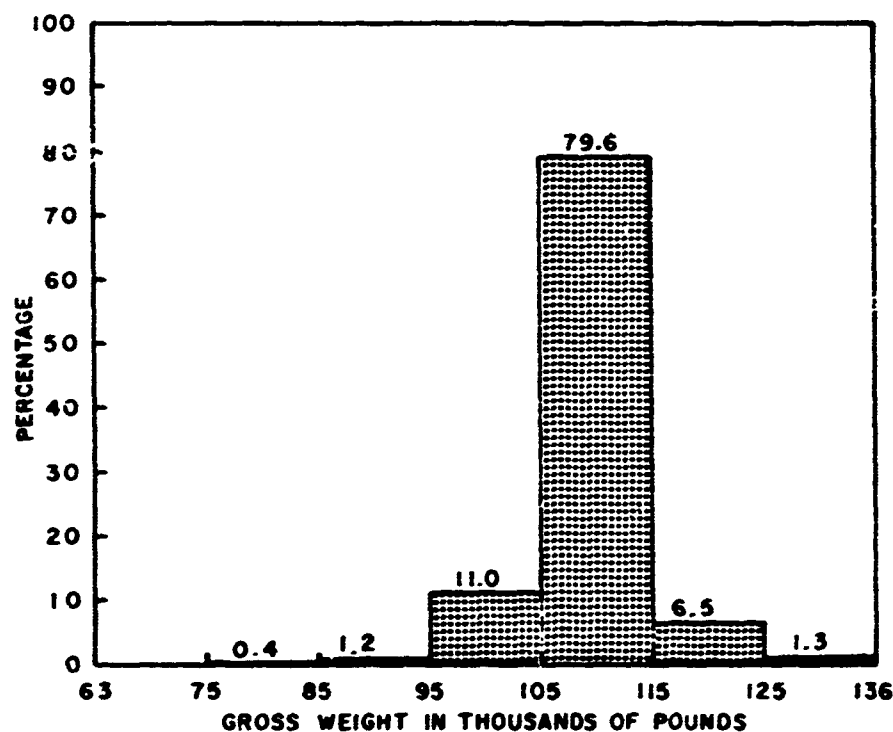


Figure 55. HC-130G — Percentages of Total Flight Time Spent in
Selected Gross Weight Ranges — Composite of All Missions

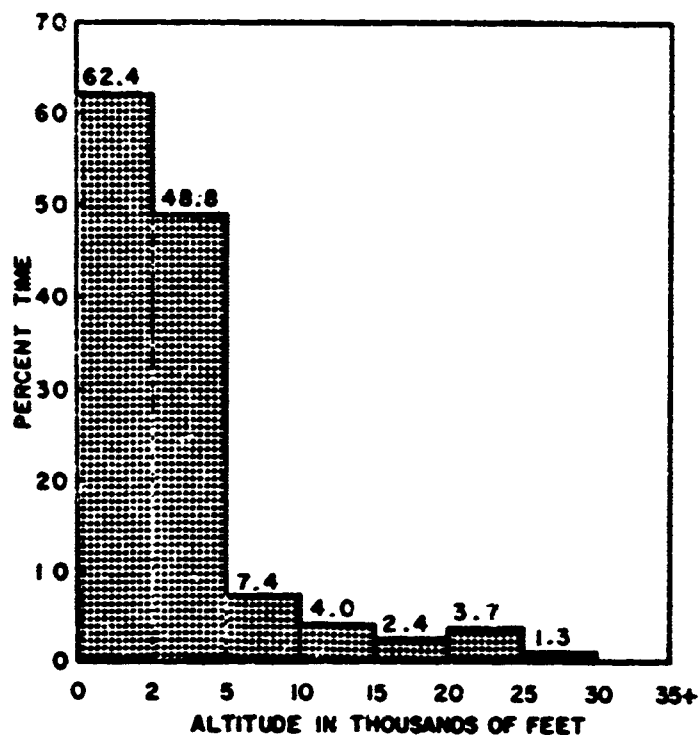


Figure 56

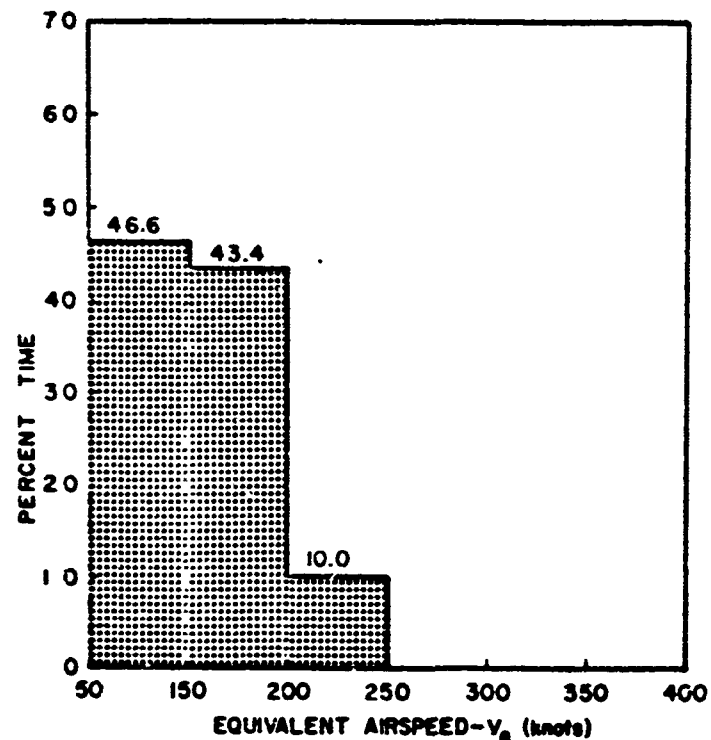


Figure 57

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission I (Airdrop)

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission I (Airdrop)

Table 170

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED-V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	140.9	77.3	15.6				233.8
2,000- 5,000	26.1	40.7	3.6				70.3
5,000- 10,000		18.5	9.0				27.5
10,000- 15,000		7.6	7.5				15.1
15,000- 20,000	3.1	4.7	1.3				9.1
20,000- 25,000	3.9	9.5	0.5				13.9
25,000- 30,000	0.5	4.3					4.8
30,000 & ABOVE							
TOTAL TIME (MIN.)	174.5	162.6	37.4				374.5

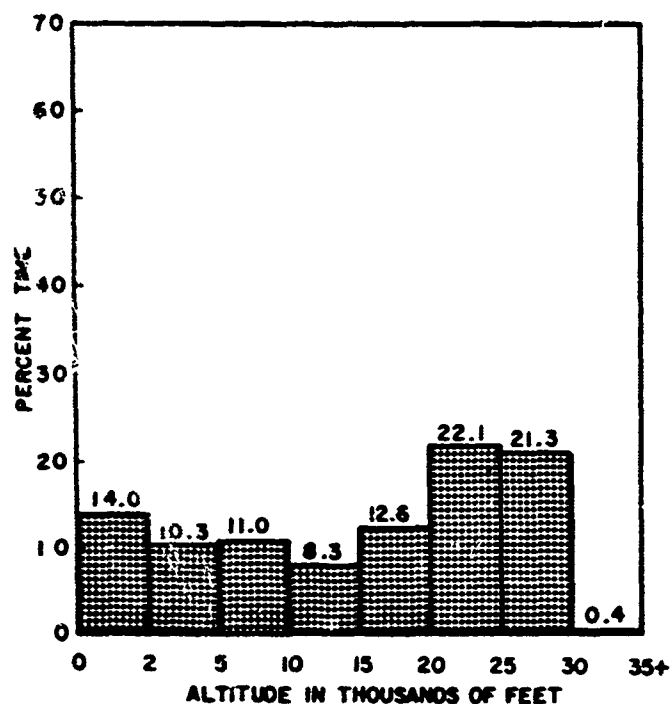


Figure 58

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission II (Logistics and Cross Country)

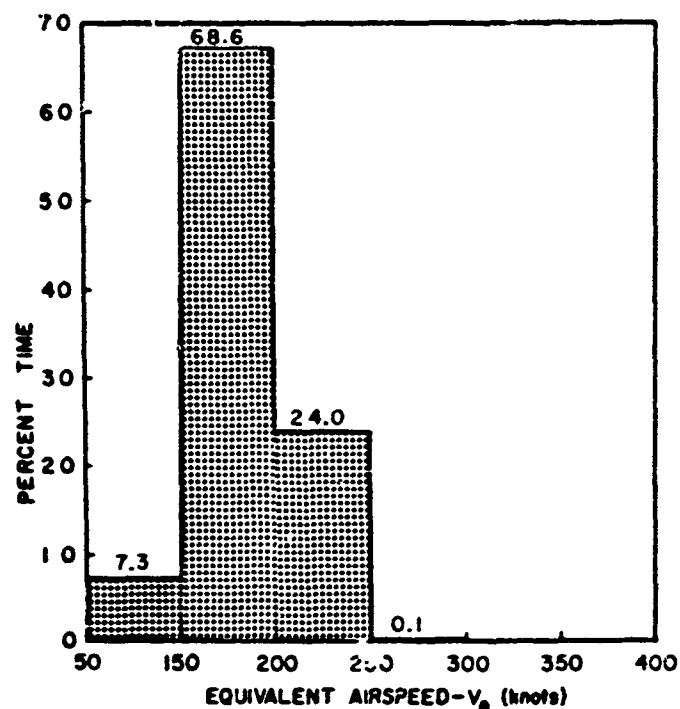


Figure 59

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission II (Logistics and Cross Country)

Table 171

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission II (Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0-2,000	156.8	123.4	27.9	0.3			308.4
2,000-5,000	30.2	180.0	67.6	0.7			278.5
5,000-10,000	2.7	145.0	140.6	0.9			299.2
10,000-15,000		155.5	71.0	0.6			227.1
15,000-20,000	1.4	155.3	157.7	0.1			314.5
20,000-25,000	2.6	155.3	135.6				293.5
25,000-30,000	2.0	155.5	7.2				164.7
30,000 & ABOVE		10.0					10.0
TOTAL TIME (MIN.)	195.8	1,356.5	550.1	2.7			2,705.1

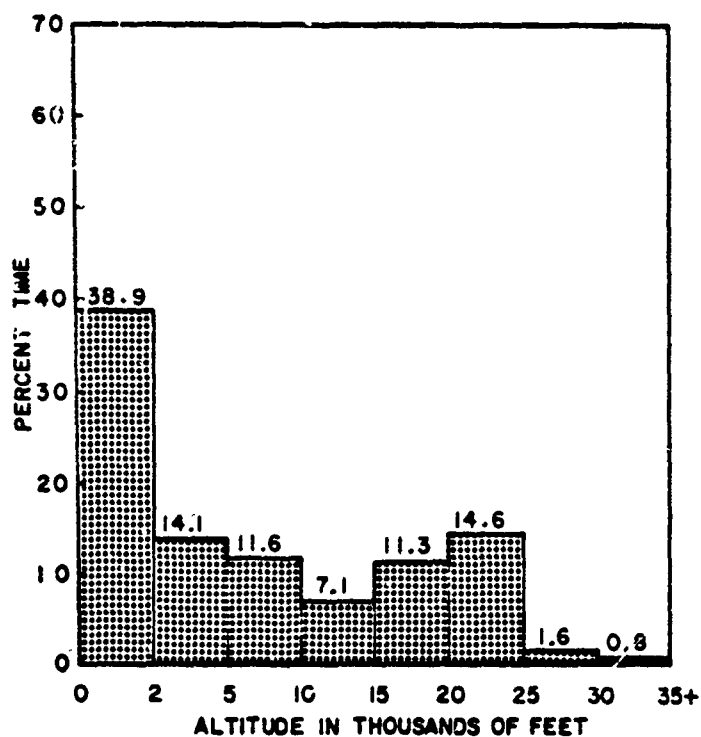


Figure 60

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission III (Training)

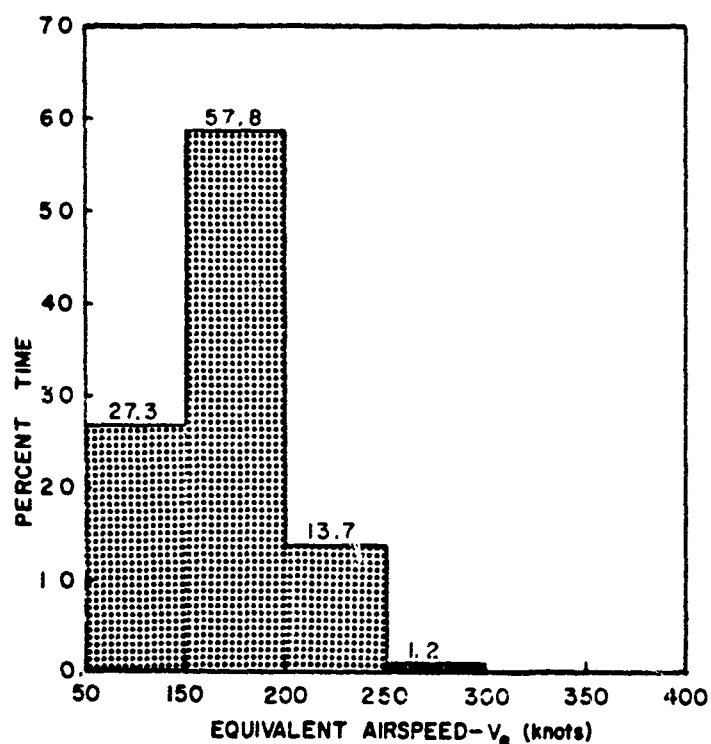


Figure 61

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission III (Training)

Table 172

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	2,298.6	1,825.1	209.8	52.0			4,375.5
2,000- 5,000	311.0	1,066.1	181.5	24.1			1,582.7
5,000- 10,000	88.8	785.5	389.6	42.2			1,306.1
10,000- 15,000	55.7	491.0	228.3	22.2			797.2
15,000- 20,000	101.5	944.5	218.0	6.4			1,270.5
20,000- 25,000	170.4	1,165.4	305.2				1,641.0
25,000- 30,000	9.7	170.6	4.5				184.8
30,000 & ABOVE	29.4	56.3					85.8
TOTAL TIME (MIN)	3,065.1	6,504.7	1,536.8	136.9			11,243.6

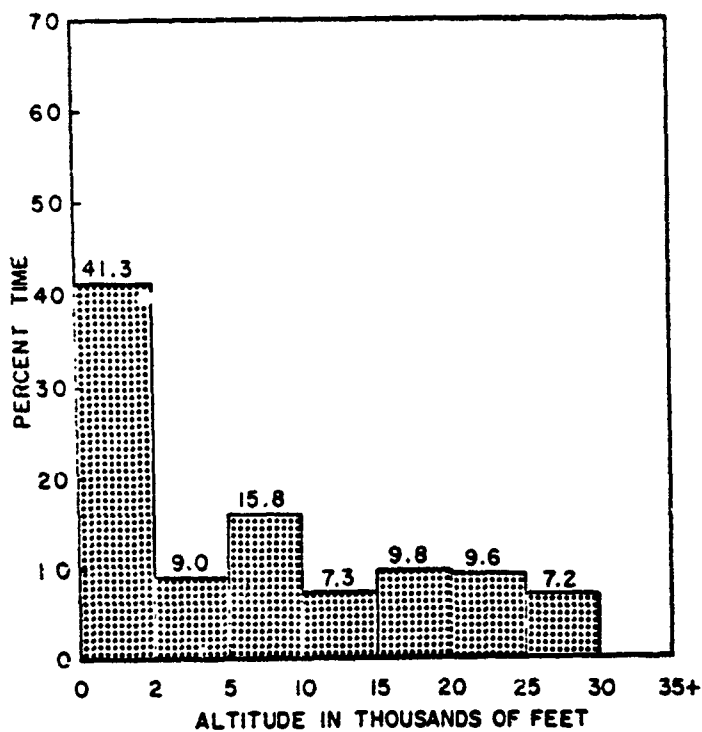


Figure 62

HC-130G — Percentages of Total Flight Time Spent at Selected Altitudes — Mission IV (Search and Rescue)

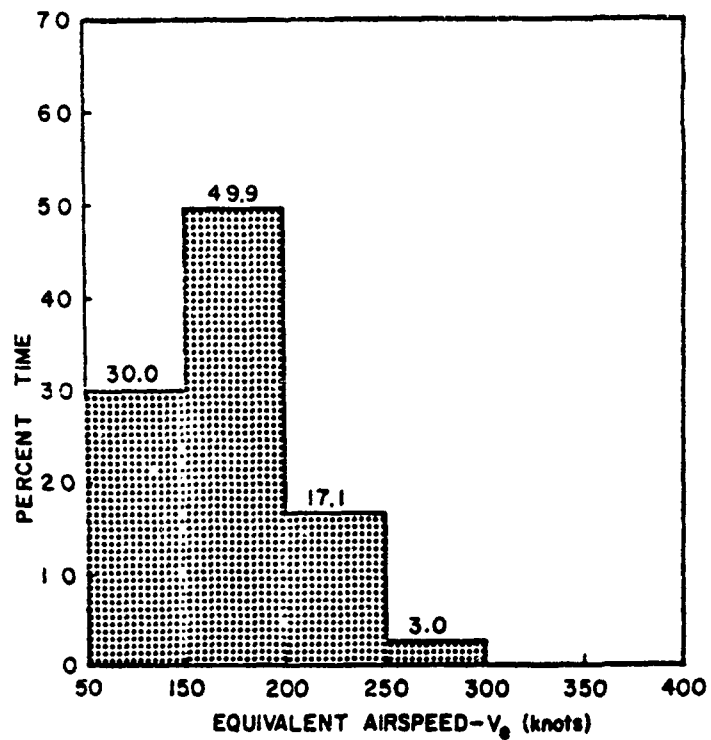


Figure 63

HC-130G — Percentages of Total Flight Time Spent at Selected Airspeeds — Mission IV (Search and Rescue)

Table 173

HC-130G — Flight Time Spent in Simultaneous Ranges of Airspeed and Altitude — Mission IV (Search and Rescue).

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V ₀ (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	1,364.9	731.0	148.8	42.4			2,287.2
2,000- 5,000	68.8	330.5	85.2	11.8			496.4
5,000- 10,000	59.5	478.1	263.2	73.3			874.0
10,000- 15,000	85.2	209.3	71.4	35.8			401.8
15,000-20,000	28.4	321.8	193.4	0.7			544.2
20,000-25,000	49.0	299.7	184.1				532.8
25,000-30,000	4.0	394.3					398.3
30,000 & ABOVE							
TOTAL TIME (MIN.)	1,659.8	2,764.7	946.2	164.0			5,534.7

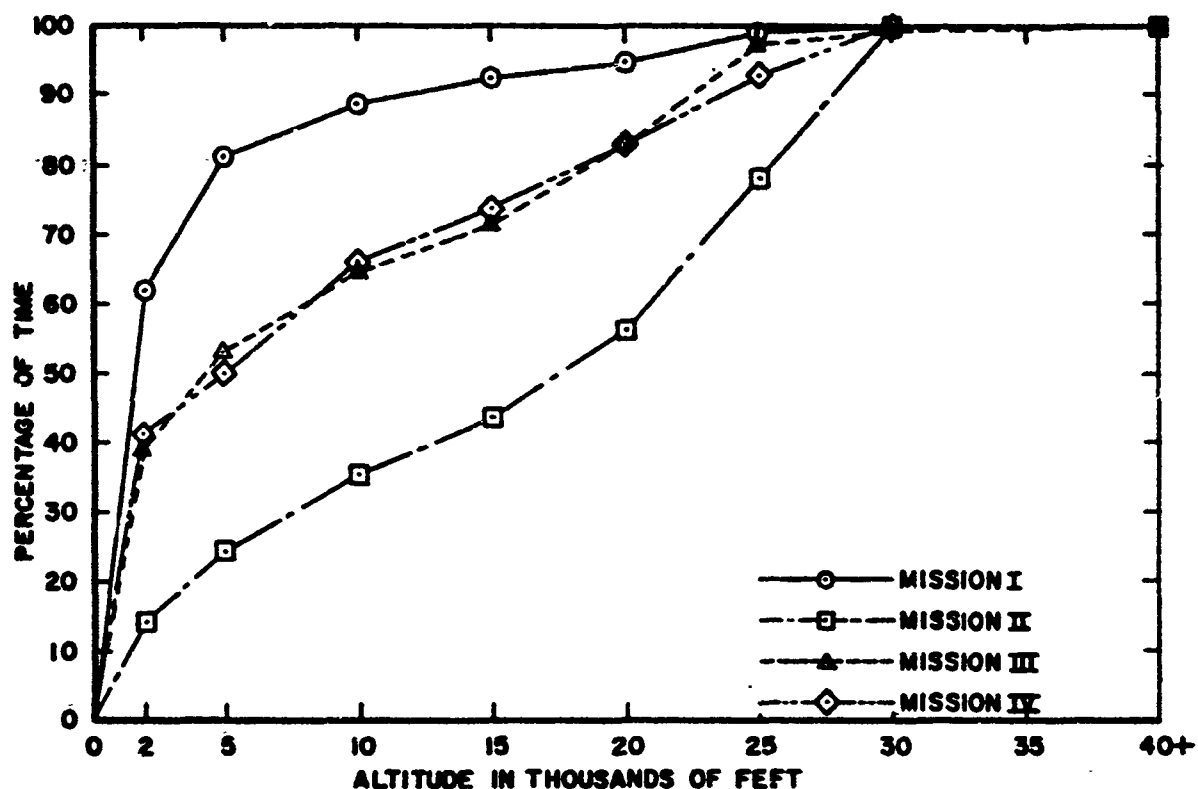


Figure 64. HC-130G — Percentages of Total Flight Time Spent Below Given Altitudes for Each Mission Type

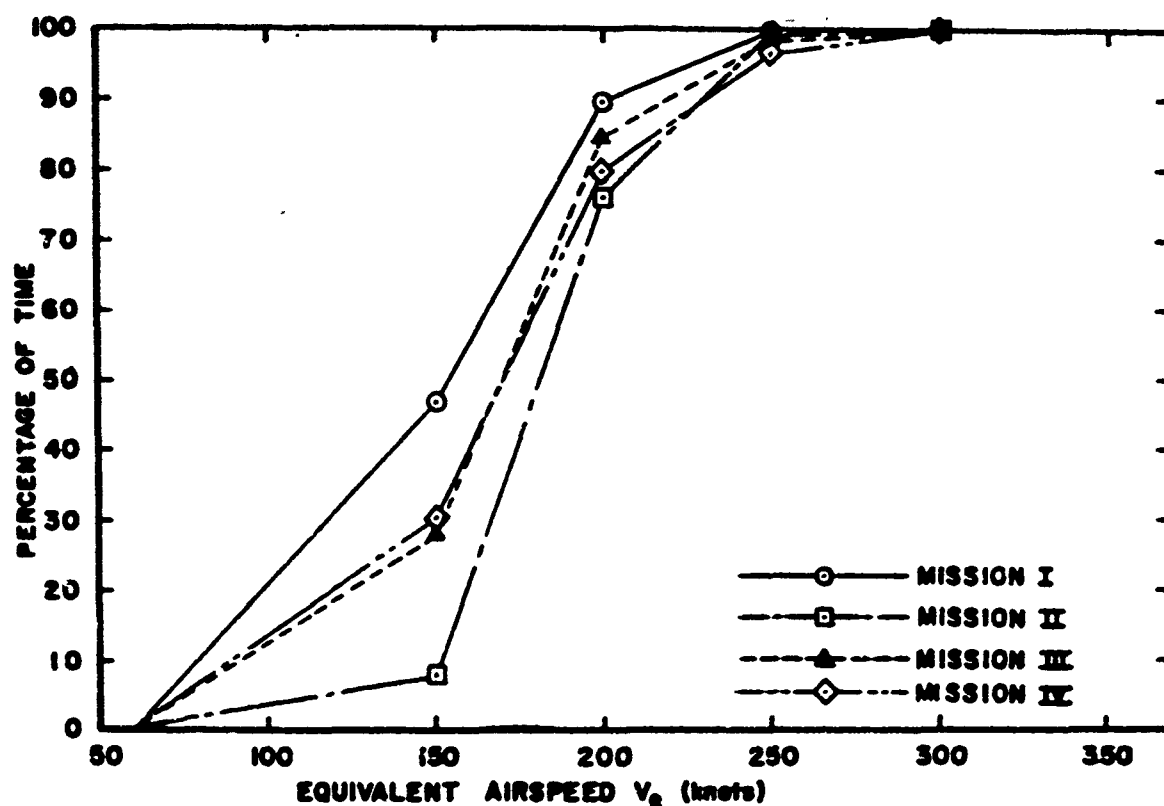


Figure 65. HC-130G — Percentages of Total Flight Time Spent Below Given Airspeeds for Each Mission Type

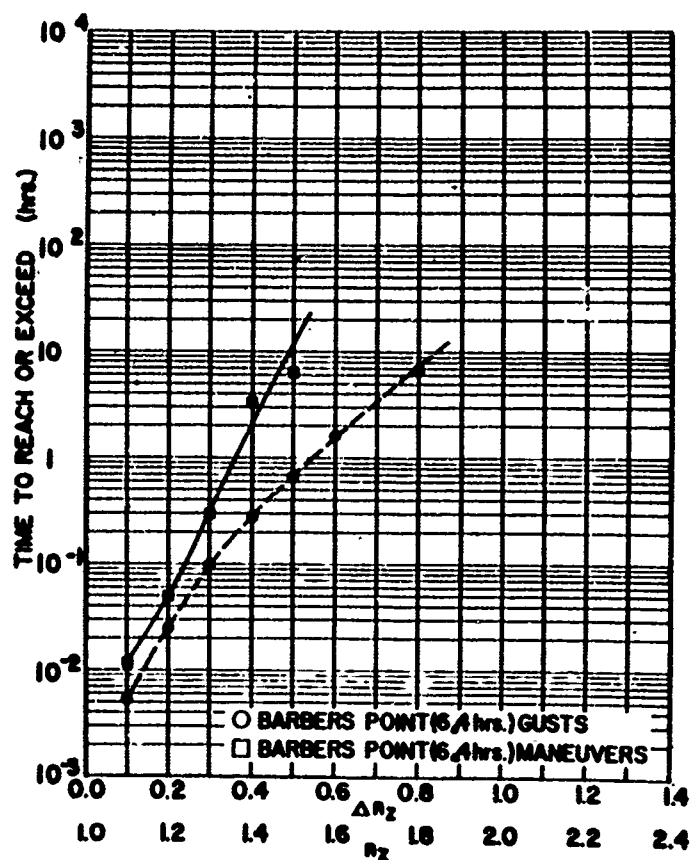


Figure 66. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission I (Airdrop)

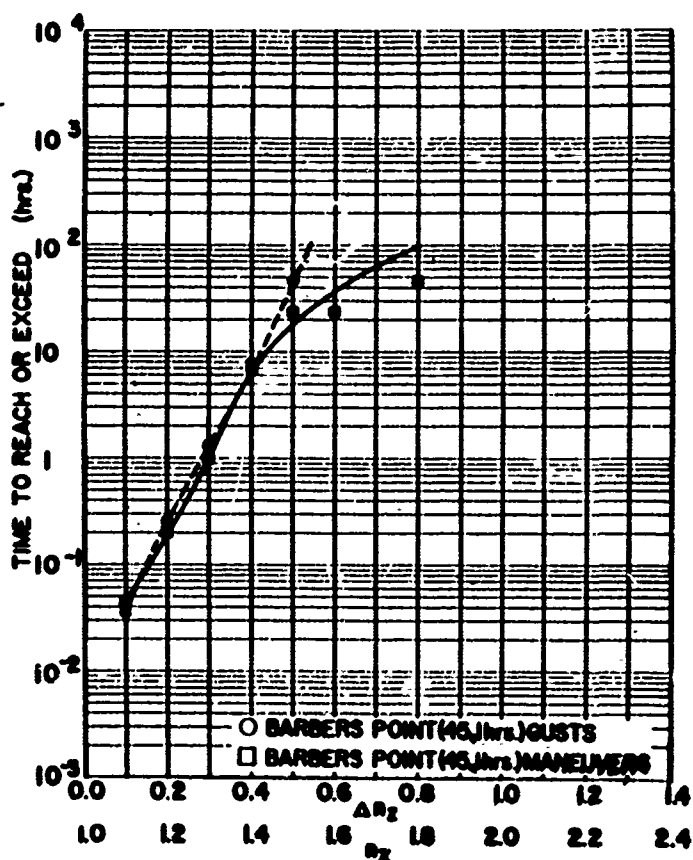


Figure 67

HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission II (Logistics and Cross Country)

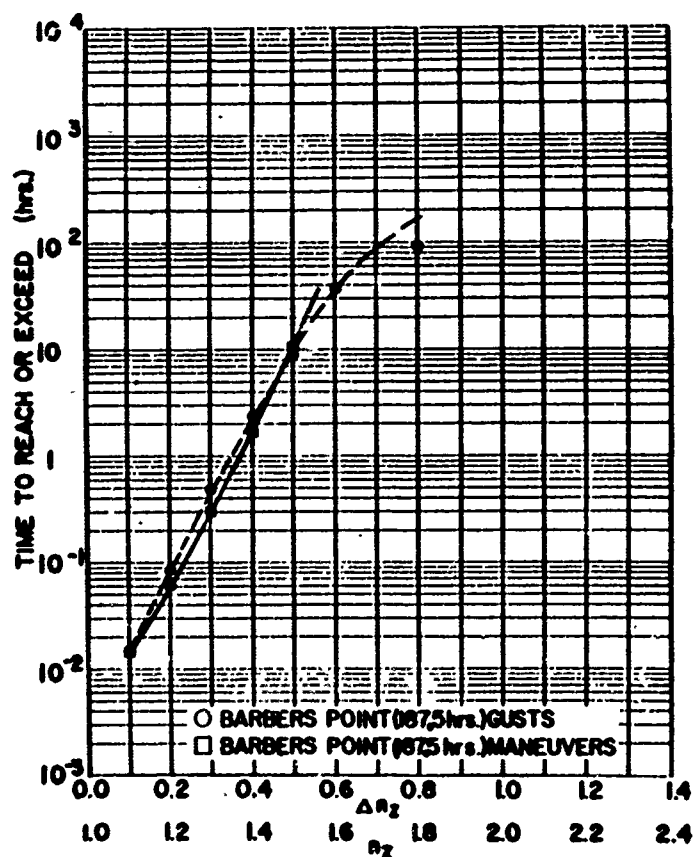


Figure 68. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission III (Training)

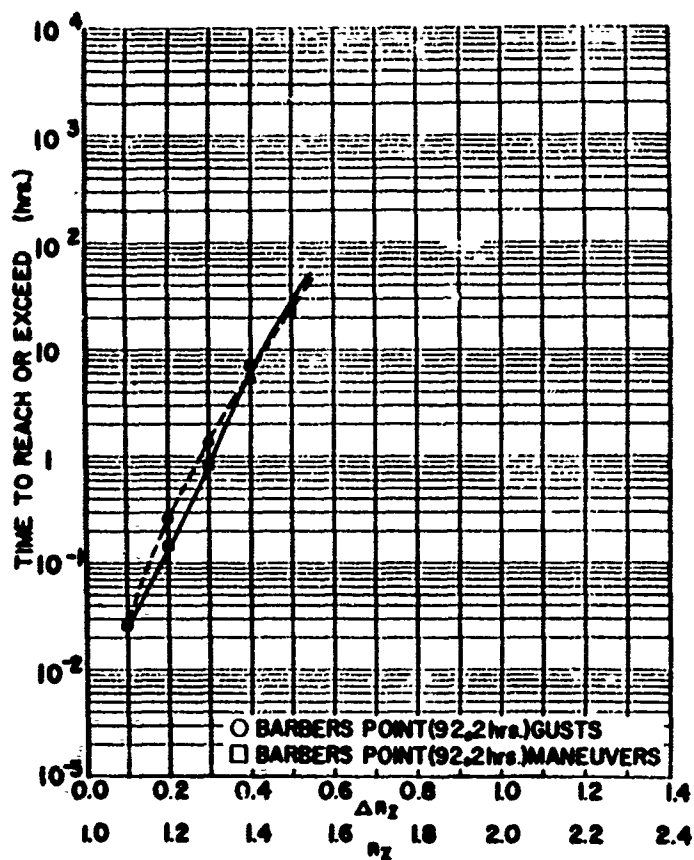


Figure 69. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Mission IV (Search and Rescue)

Figure 70. HC-130G — Maneuver and Gust Load Factor Exceedance Curves — Weighted Composites of All Missions

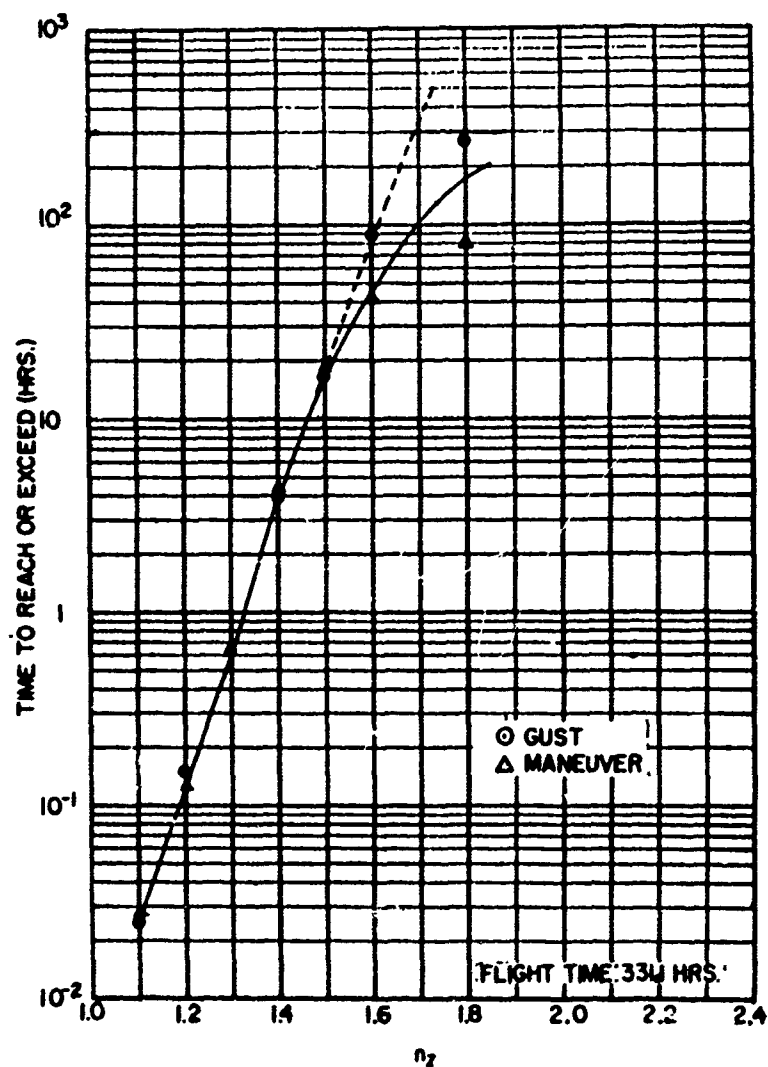


Table 174

HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Barbers Point Naval Air Station

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5		1					1
1.3 TO 1.4	7	11	2				20
1.2 TO 1.3	74	43	1				118
1.1 TO 1.2	282	137	14				433
0.8 TO 0.9	68	45	4				117
0.7 TO 0.8	5		3				8
0.6 TO 0.7		2	1				3
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	174.5	162.6	37.4				374.5

No. of Flights: 2

Table 175

HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Barbers Point Naval Air Station

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1					1
1.6 TO 1.8			1				1
1.5 TO 1.6							
1.4 TO 1.5	2	2					4
1.3 TO 1.4	10	23	7				40
1.2 TO 1.3	59	101	24				184
1.1 TO 1.2	285	444	141				870
0.8 TO 0.9	122	229	78				429
0.7 TO 0.8	11	37	8				56
0.6 TO 0.7	2	5					7
0.4 TO 0.6			2				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	195.8	1856.5	650.1	2.7			2705.1

No. of Flights: 22

Table 176

**HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission III (Training) — Barbers Point Naval Air Station**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6	3	8	6	1			18
1.4 TO	1.5	24	43	21	4			92
1.3 TO	1.4	166	263	72	18			519
1.2 TO	1.3	1040	1157	299	30			2526
1.1 TO	1.2	4584	4207	878	83			9757
0.8 TO	0.9	2440	2343	476	49			5308
0.7 TO	0.8	303	366	72	7			748
0.6 TO	0.7	41	51	8	1			101
0.4 TO	0.6	6	7	2				15
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME								
(MIN)		3045.1	6504.7	1536.8	136.9			11243.6

No. of Flights: 103

Table 177

**HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed — Mission IV (Search and Rescue)
— Barbers Point Naval Air Station**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6	1	2		1			4
1.4 TO	1.5	2	6	1				9
1.3 TO	1.4	37	49	11	5			102
1.2 TO	1.3	223	231	48	10			512
1.1 TO	1.2	1349	1217	276	55			2897
0.8 TO	0.9	466	435	159	27			1087
0.7 TO	0.8	38	37	24	4			103
0.6 TO	0.7	3	3	1	1			8
0.4 TO	0.6		1	1				2
0.2 TO	0.4		1					1
0.0 TO	0.2							
BELOW	0.0							
FLT TIME								
(MIN)		1659.8	2764.7	946.2	164.0			5534.7

No. of Flights: 45

Table 178

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission I (Airdrop) — Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0	1						1
0.6 TO 0.8	2	1					3
0.5 TO 0.6	2	4					6
0.4 TO 0.5	7	10	1				13
0.3 TO 0.4	7	33	4				44
0.2 TO 0.3	56	118	33				207
0.1 TO 0.2	380	485	144				1009
-0.2 TO -0.1	289	442	161				892
-0.3 TO -0.2	24	52	16				92
-0.4 TO -0.3	2	21	2				25
-0.6 TO -0.4	7	8					15
-0.8 TO -0.6	1	1					2
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	174.5	162.6	37.4				374.5

Table 179

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission II (Logistics and Cross Country)
— Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6			1				1
0.4 TO 0.5		5	1				6
0.3 TO 0.4	2	20	6	1			29
0.2 TO 0.3	31	110	15				156
0.1 TO 0.2	237	627	176	3			1043
-0.2 TO -0.1	221	672	181	2			1076
-0.3 TO -0.2	17	65	22				104
-0.4 TO -0.3		17	3				20
-0.6 TO -0.4		6					6
-0.8 TO -0.6			1				1
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	195.8	1856.5	650.1	2.7			2705.1

Table 180

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission III (Training) — Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0			2				2
0.6 TO 0.8	1	1	1				3
0.5 TO 0.6	5	3	8				16
0.4 TO 0.5	12	22	25				59
0.3 TO 0.4	83	143	80	7			313
0.2 TO 0.3	733	731	353	49			1866
0.1 TO 0.2	4498	4023	1902	316			10739
-0.2 TO -0.1	3925	3545	1737	401			9608
-0.3 TO -0.2	452	389	281	31			1153
-0.4 TO -0.3	48	61	59	8			176
-0.6 TO -0.4	10	9	14				33
-0.8 TO -0.6		1	3				4
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	3065.1	6504.7	1536.8	136.9			11243.6

Table 181

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed — Mission IV (Search and Rescue)
— Barbers Point Naval Air Station

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.8							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6	2	1	1				4
0.4 TO 0.5	1	5	4	3			13
0.3 TO 0.4	7	31	11				49
0.2 TO 0.3	54	168	47	17			286
0.1 TO 0.2	1140	1511	441	161			3253
-0.2 TO -0.1	967	1305	478	210			2960
-0.3 TO -0.2	43	146	50	24			263
-0.4 TO -0.3	8	20	6	3			37
-0.6 TO -0.4		3	1	1			5
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
FLT TIME (MIN)	1659.8	2164.7	946.2	164.0			5534.7

Table 182
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet									Altitude: 2000 to 5000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)									EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ		LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	
ABOVE 2.0									ABOVE 2.0								
2.4 TO 2.0									2.4 TO 2.0								
2.0 TO 2.4									2.0 TO 2.4								
1.8 TO 2.0									1.8 TO 2.0								
1.6 TO 1.8									1.6 TO 1.8								
1.5 TO 1.6									1.5 TO 1.6								
1.4 TO 1.5									1.4 TO 1.5								
1.3 TO 1.4	1	3					4		1.3 TO 1.4	2	1	1				4	
1.2 TO 1.3	10	8					18		1.2 TO 1.3	2	5					7	
1.1 TO 1.2	12	4					16		1.1 TO 1.2	24	33	3				60	
0.8 TO 0.9	3	2					5		0.8 TO 0.9	4	2					6	
0.7 TO 0.8	1						1		0.7 TO 0.8								
0.6 TO 0.7		1					1		0.6 TO 0.7								
0.4 TO 0.6									0.4 TO 0.6								
0.2 TO 0.4									0.2 TO 0.4								
0.0 TO 0.2									0.0 TO 0.2								
BELOW 0.0									BELOW 0.0								
FLY TIME (MIN)	2.0	7.0	0.8				16.1		FLY TIME (MIN)	26.0	17.1	1.4				44.5	

Altitude: 5000 to 10,000 feet									Altitude: 10,000 to 15,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)									EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ		LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	
ABOVE 2.0									ABOVE 2.0								
2.4 TO 2.0									2.4 TO 2.0								
2.0 TO 2.4									2.0 TO 2.4								
1.8 TO 2.0									1.8 TO 2.0								
1.6 TO 1.8									1.6 TO 1.8								
1.5 TO 1.6									1.5 TO 1.6								
1.4 TO 1.5									1.4 TO 1.5								
1.3 TO 1.4									1.3 TO 1.4				1			1	
1.2 TO 1.3									1.2 TO 1.3								
1.1 TO 1.2			1				1		1.1 TO 1.2			1				1	
0.8 TO 0.9									0.8 TO 0.9								
0.7 TO 0.8									0.7 TO 0.8								
0.6 TO 0.7									0.6 TO 0.7								
0.4 TO 0.6									0.4 TO 0.6								
0.2 TO 0.4									0.2 TO 0.4								
0.0 TO 0.2									0.0 TO 0.2								
BELOW 0.0									BELOW 0.0								
FLY TIME (MIN)		2.4					2.4		FLY TIME (MIN)	0.7	1.7					2.4	

Altitude: 15,000 to 20,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ	
ABOVE 2.0								
2.4 TO 2.0								
2.0 TO 2.4								
1.8 TO 2.0								
1.6 TO 1.8								
1.5 TO 1.6								
1.4 TO 1.5								
1.3 TO 1.4								
1.2 TO 1.3								
1.1 TO 1.2								
0.8 TO 0.9								
0.7 TO 0.8								
0.6 TO 0.7								
0.4 TO 0.6								
0.2 TO 0.4								
0.0 TO 0.2								
BELOW 0.0								
FLY TIME (MIN)	0.7	0.9					1.6	

Table 183
 HC-130G — Distribution of Maneuver Load Factors by Equivalent
 Airspeed and Altitude — Mission I (Airdrop) —
 Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
2.4 TO 2.8								2.4 TO 2.8							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3	4	2					6	1.2 TO 1.3							
1.1 TO 1.2	60	20					80	1.1 TO 1.2							
	235	77	1				313		12	1					13
0.8 TO 0.9	53	24					77	0.8 TO 0.9							
0.7 TO 0.8	3		1				4	0.7 TO 0.8	0	1					9
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	130.1	57.6	5.0				192.7	FLY TIME (MIN)	23.4	2.2					25.7

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2		4	2				6	1.1 TO 1.2							1
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8		1					1
0.6 TO 0.7								0.6 TO 0.7			2				2
0.4 TO 0.6								0.4 TO 0.6			1				1
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	10.5	0.6					25.1	FLY TIME (MIN)	6.9	5.8					12.7

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.8								2.4 TO 2.8							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2	3	2					5	1.1 TO 1.2	2	2					4
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLY TIME (MIN)	3.1	0.0	0.0				7.5	FLY TIME (MIN)	3.9	9.5	0.5				13.9

Altitude: 25,000 to 30,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TC	250 TO	300 TO	350 AND ABOVE	TOTAL
ABOVE 2.0							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	0.2	0.3					0.5

Table 184
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 115,000 to 125,000 lb.

LOAD FACTOR N2	EQUIVALENT AIRSPEED — VE (KNOTS) Altitude: 0 to 2000 feet						TOTAL N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.6 TO 2.0							
1.4 TO 1.6							
1.5 TO 1.4							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	2	1	4				7
0.8 TO 0.9	8	2	3				13
0.7 TO 0.8	1						1
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	3.0	12.2	9.8				25.0

Table 185
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ	
ABOVE 2.8								
2.4 TO 2.8								
2.0 TO 2.4								
1.8 TO 2.0								
1.6 TO 1.8								
1.5 TO 1.6								
1.4 TO 1.5								
1.3 TO 1.4								
1.2 TO 1.3	5	3					8	
1.1 TO 1.2	10	27	2				47	
0.8 TO 0.9	8	2	1				11	
0.7 TO 0.8	2	1					3	
0.6 TO 0.7								
0.4 TO 0.6								
0.2 TO 0.4								
0.0 TO 0.2								
BELOW 0.0								
FLT TIME (MIN)	5.9	6.4	1.3				13.6	

Altitude: 5000 to 10,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ	
ABOVE 2.8								
2.4 TO 2.8								
2.0 TO 2.4								
1.8 TO 2.0								
1.6 TO 1.8								
1.5 TO 1.6								
1.4 TO 1.5								
1.3 TO 1.4								
1.2 TO 1.3								
1.1 TO 1.2								
0.8 TO 0.9								
0.7 TO 0.8								
0.6 TO 0.7								
0.4 TO 0.6								
0.2 TO 0.4								
0.0 TO 0.2								
BELOW 0.0								
FLT TIME (MIN)	0.5	2.0					2.5	

Altitude: 15,000 to 20,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ	
ABOVE 2.8								
2.4 TO 2.8								
2.0 TO 2.4								
1.8 TO 2.0								
1.6 TO 1.8								
1.5 TO 1.6								
1.4 TO 1.5								
1.3 TO 1.4								
1.2 TO 1.3								
1.1 TO 1.2								
0.8 TO 0.9								
0.7 TO 0.8								
0.6 TO 0.7								
0.4 TO 0.6								
0.2 TO 0.4								
0.0 TO 0.2								
BELOW 0.0								
FLT TIME (MIN)	2.0						2.0	

Altitude: 2000 to 5000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ	
ABOVE 2.8								
2.4 TO 2.8								
2.0 TO 2.4								
1.8 TO 2.0								
1.6 TO 1.8								
1.5 TO 1.6								
1.4 TO 1.5								
1.3 TO 1.4								
1.2 TO 1.3								
1.1 TO 1.2								
0.8 TO 0.9	1						1	
0.7 TO 0.8								
0.6 TO 0.7								
0.4 TO 0.6								
0.2 TO 0.4								
0.0 TO 0.2								
BELOW 0.0								
FLT TIME (MIN)	0.9	1.1	11.7				13.7	

Altitude: 10,000 to 15,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ	
ABOVE 2.8								
2.4 TO 2.8								
2.0 TO 2.4								
1.8 TO 2.0								
1.6 TO 1.8								
1.5 TO 1.6								
1.4 TO 1.5								
1.3 TO 1.4								
1.2 TO 1.3								
1.1 TO 1.2								
0.8 TO 0.9								
0.7 TO 0.8								
0.6 TO 0.7								
0.4 TO 0.6								
0.2 TO 0.4								
0.0 TO 0.2								
BELOW 0.0								
FLT TIME (MIN)		2.7					2.7	

Altitude: 20,000 to 25,000 feet								
EQUIVALENT AIRSPEED - VE (KNOTS)								
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	
NZ	150	200	250	300	350	ABOVE	NZ	
ABOVE 2.8								
2.4 TO 2.8								
2.0 TO 2.4								
1.8 TO 2.0								
1.6 TO 1.8								
1.5 TO 1.6								
1.4 TO 1.5								
1.3 TO 1.4								
1.2 TO 1.3								
1.1 TO 1.2								
0.8 TO 0.9								
0.7 TO 0.8								
0.6 TO 0.7								
0.4 TO 0.6								
0.2 TO 0.4								
0.0 TO 0.2								
BELOW 0.0								
FLT TIME (MIN)	77.5	6.5					78.0	

Table 186
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2	15	19					34	1.1 TO 1.2							
0.8 TO 0.9	9	10					19	0.8 TO 0.9		2					2
0.7 TO 0.8	1						1	0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	11.5	13.9					25.4	FLT TIME (MIN)		3.9					3.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9		1					1
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)							9.3	FLT TIME (MIN)		10.0	44.8				54.8
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2		1					1
0.8 TO 0.9								0.8 TO 0.9		2					2
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)							6.0	FLT TIME (MIN)		48.0					48.0
Altitude: 25,000 to 30,000 feet															
EQUIVALENT AIRSPEED - VE (KNOTS)															
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL								
NZ	150	200	250	300	350	ABOVE	NZ								
ABOVE 2.0															
2.4 TO 2.0															
2.0 TO 2.4															
1.8 TO 2.0															
1.6 TO 1.8															
1.5 TO 1.6															
1.4 TO 1.5															
1.3 TO 1.4															
1.2 TO 1.3															
1.1 TO 1.2															
0.8 TO 0.9															
0.7 TO 0.8															
0.6 TO 0.7															
0.4 TO 0.6															
0.2 TO 0.4															
0.0 TO 0.2															
BELOW 0.0															
FLT TIME (MIN)							73.4								

Table 187

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Table 188
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.4							
2.4 TO 2.8							
2.8 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6			1				1
1.4 TO 1.5							
1.3 TO 1.4	2	1					3
1.2 TO 1.3	8	17	2				27
1.1 TO 1.2	56	94	5				115
0.8 TO 0.9	22	24					46
0.7 TO 0.8	2	2					4
0.6 TO 0.7		1					1
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	26.0	32.0	5.2	0.3			63.5

Altitude: 5000 to 10,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.8 TO 2.4							
2.4 TO 2.0							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		3	3				6
0.8 TO 0.9		7	1				8
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	44.5	23.5					68.0

Altitude: 15,000 to 20,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.8 TO 2.4							
2.4 TO 2.0							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	38.5	2.0					40.5

Altitude: 25,000 to 30,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.8 TO 2.4							
2.4 TO 2.0							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.0	100.6	5.2				107.8

Altitude: 2000 to 5000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.8 TO 2.4							
2.4 TO 2.0							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		10	5				15
0.8 TO 0.9		19	3				22
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.8	60.2	9.0	0.5			74.5

Altitude: 10,000 to 15,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.8 TO 2.4							
2.4 TO 2.0							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		1					1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	48.5	8.7					57.2

Altitude: 20,000 to 25,000 feet							
LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.8 TO 2.4							
2.4 TO 2.0							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		3					3
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	0.3	100.7	00.6				101.6

Table 189
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 125,000 lb. and Above

Altitude: 0 to 2000 feet							
EQUIVALENT AIRSPEED — VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	2						2
1.1 TO 1.2	10	16					26
0.8 TO 0.9	8						16
0.7 TO 0.8		2					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	2.7	8.8					12.3

Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED — VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	1						1
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		0.3					0.3

Altitude: 5000 to 10,000 feet							
EQUIVALENT AIRSPEED — VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3		1					1
1.1 TO 1.2		3					3
0.8 TO 0.9		2					2
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		12.2					12.2

Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED — VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)							20.2

Altitude: 15,000 to 20,000 feet							
EQUIVALENT AIRSPEED — VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)							20.0

Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED — VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		2					2
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		40.0	50.0				90.0

Altitude: 25,000 to 30,000 feet							
EQUIVALENT AIRSPEED — VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9		1					1
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)		06.0					06.0

Table 190
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3	5	1					6	1.2 TO 1.3			1				1
1.1 TO 1.2	5	1					6	1.1 TO 1.2	1		2				3
0.8 TO 0.9	2	1					3	0.8 TO 0.9			1				1
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7	1						1	0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	0.3	1.9					10.2	FLT TIME (MIN)	1.5	1.6					2.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3			1				1
1.1 TO 1.2								1.1 TO 1.2		1	3				4
0.8 TO 0.9								0.8 TO 0.9			1				1
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)		1.1					1.5	FLT TIME (MIN)	0.3	0.5					15.0
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2				1			1	1.1 TO 1.2		2					2
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8		1					1
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	3.7	0.7					4.4	FLT TIME (MIN)	11.2						11.2
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3	1						1
1.1 TO 1.2								1.1 TO 1.2	1	1					2
0.8 TO 0.9								0.8 TO 0.9	2	2					4
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	2.0	0.7					6.7	FLT TIME (MIN)	12.0	0.0					10.0

Table 191
 HC-130G — Distribution of Maneuver Load Factors by Equivalent
 Airspeed and Altitude — Mission III (Training) —
 Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 1000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	NZ	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	12	23	1				36
0.8 TO 0.9	9	13					22
0.7 TO 0.8	1	2					3
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	1.9	11.2	0.3				13.4

Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	NZ	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.7	1.0					5.7

Altitude: 5000 to 10,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	NZ	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	14	23					37
0.8 TO 0.9	4	5					9
0.7 TO 0.8		1					1
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	25.2	61.6	3.6				70.2

Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	NZ	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	6.7						6.7

Altitude: 15,000 to 20,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	NZ	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	4.0						4.0

Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	NZ	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	10.3						10.3

Altitude: 25,000 to 30,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	NZ	NZ
ABOVE 2.0							
2.4 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.6						5.6

Table 192

HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6		3	3				6	1.5 TO 1.6							
1.4 TO 1.5		4	16				22	1.4 TO 1.5		4	1				5
1.3 TO 1.4		33	65	4	1		103	1.3 TO 1.4		8	11	4	1		24
1.2 TO 1.3		182	134	14			330	1.2 TO 1.3		25	11	2			38
1.1 TO 1.2		675	409	31	3		1118	1.1 TO 1.2		120	98	35	6		259
0.8 TO 0.9		319	152	14			485	0.8 TO 0.9		62	56	16	2		136
0.7 TO 0.8		29	29	2			60	0.7 TO 0.8		7	16	2			25
0.6 TO 0.7		3					3	0.6 TO 0.7		1	3				4
0.4 TO 0.6		2	2				4	0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	385.4	271.0	41.4	2.7			700.7	FLT TIME (MIN)	74.7	101.0	29.8	7.6			213.2

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4			2	3	1		6	1.3 TO 1.4							
1.2 TO 1.3			10	9	3		22	1.2 TO 1.3				1	1		2
1.1 TO 1.2		2	20	29	3		50	1.1 TO 1.2				7	1		8
0.8 TO 0.9			8	18			26	0.8 TO 0.9				1	10	2	13
0.7 TO 0.8				3	1		4	0.7 TO 0.8				1	1		2
0.6 TO 0.7			1				1	0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	3.4	28.2	32.2	17.4			82.2	FLT TIME (MIN)		20.0	21.0	11.5			52.2

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ	NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0								ABOVE 2.0							
2.4 TO 2.0								2.4 TO 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4			2	1	1		4	1.3 TO 1.4							
1.2 TO 1.3			5	2	2		9	1.2 TO 1.3			1	2			3
1.1 TO 1.2			20	6	1		27	1.1 TO 1.2		10	24	16			50
0.8 TO 0.9		2	8	5	2		17	0.8 TO 0.9		4	13	11			28
0.7 TO 0.8			1	1			2	0.7 TO 0.8			1	1			2
0.6 TO 0.7			1				1	0.6 TO 0.7			3				3
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	7.9	32.0	35.0	3.0			80.1	FLT TIME (MIN)	13.4	59.7	93.0				166.0

Table 193

HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	1001.6	1405.8	156.6	39.3			2592.3	FLT TIME (MIN)	234.8	954.3	149.3	16.5			1354.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	89.2	711.1	330.8	25.9			1157.0	FLT TIME (MIN)	55.7	453.0	200.1	10.7			719.5
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	93.6	904.8	197.5	2.8			1198.7	FLT TIME (MIN)	157.0	1004.3	212.2				1473.5
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL
NZ	150	200	250	300	350		NZ	NZ	150	200	250	300	350		NZ
ABOVE 2.0								ABOVE 2.0							
2.0 TO 2.4								2.0 TO 2.4							
1.8 TO 2.0								1.8 TO 2.0							
1.6 TO 1.8								1.6 TO 1.8							
1.5 TO 1.6								1.5 TO 1.6							
1.4 TO 1.5								1.4 TO 1.5							
1.3 TO 1.4								1.3 TO 1.4							
1.2 TO 1.3								1.2 TO 1.3							
1.1 TO 1.2								1.1 TO 1.2							
0.8 TO 0.9								0.8 TO 0.9							
0.7 TO 0.8								0.7 TO 0.8							
0.6 TO 0.7								0.6 TO 0.7							
0.4 TO 0.6								0.4 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.0 TO 0.2								0.0 TO 0.2							
BELOW 0.0								BELOW 0.0							
FLT TIME (MIN)	7.7	140.3	4.5				172.5	FLT TIME (MIN)	16.0	50.3					67.2

Table 194

HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0							
2.0 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3	26	21					47
1.1 TO 1.2	95	79	10				184
0.8 TO 0.9	70	28	7				105
0.7 TO 0.8	8	8	1				17
0.6 TO 0.7		1					1
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	41.4	22.3	11.3				107.9

Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0							
2.0 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2		5					5
0.8 TO 0.9		8					8
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)		6.8	7.1				6.0

Altitude: 5000 to 10,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0							
2.0 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3			1				1
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)	4.0	0.0					9.0

Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL NZ
ABOVE 2.0							
2.0 TO 2.0							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (MIN)		2.0					2.0

Table 195
 HC-130G — Distribution of Maneuver Load Factors by Equivalent
 Airspeed and Altitude — Mission IV (Search and Rescue) —
 Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6		1	1				2
1.4 TO 1.5		2					2
1.3 TO 1.4	11	13					24
1.2 TO 1.3	52	35					87
1.1 TO 1.2	267	78	1				346
0.8 TO 0.9	45	30					75
0.7 TO 0.8	1	1					2
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (min)	249.0	123.2	2.2				374.4

Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2	3	14					17
0.8 TO 0.9	4	4					8
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (min)	0.4	40.3	2.0				42.7

Altitude: 5000 to 10,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (min)	78.6	2.5					81.1

Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (min)	0.7	11.6					12.3

Altitude: 15,000 to 20,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (min)	15.2	84.7					100.0

Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
NZ	150	200	250	300	350	ABOVE	NZ
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6							
1.4 TO 1.5							
1.3 TO 1.4							
1.2 TO 1.3							
1.1 TO 1.2							
0.8 TO 0.9							
0.7 TO 0.8							
0.6 TO 0.7							
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLY TIME (min)	10.7	2.0					12.7

Table 196

HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission IV (Search and Rescue) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 5,000 to 10,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
NE	NE	NE	NE	NE	NE	NE	NE
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
2.8 TO 3.2							
3.2 TO 3.6							
3.6 TO 4.0							
4.0 TO 4.4							
4.4 TO 4.8							
4.8 TO 5.2							
5.2 TO 5.6							
5.6 TO 6.0							
6.0 TO 6.4							
6.4 TO 6.8							
6.8 TO 7.2							
7.2 TO 7.6							
7.6 TO 8.0							
8.0 TO 8.4							
8.4 TO 8.8							
8.8 TO 9.2							
9.2 TO 9.6							
9.6 TO 10.0							
FLY TIME (min)	1240.5	225.5	100.1	97.4			1663.5
Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
NE	NE	NE	NE	NE	NE	NE	NE
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
2.8 TO 3.2							
3.2 TO 3.6							
3.6 TO 4.0							
4.0 TO 4.4							
4.4 TO 4.8							
4.8 TO 5.2							
5.2 TO 5.6							
5.6 TO 6.0							
6.0 TO 6.4							
6.4 TO 6.8							
6.8 TO 7.2							
7.2 TO 7.6							
7.6 TO 8.0							
8.0 TO 8.4							
8.4 TO 8.8							
8.8 TO 9.2							
9.2 TO 9.6							
9.6 TO 10.0							
FLY TIME (min)	92.2	265.5	83.2	11.8			452.7
Altitude: 15,000 to 20,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
NE	NE	NE	NE	NE	NE	NE	NE
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
2.8 TO 3.2							
3.2 TO 3.6							
3.6 TO 4.0							
4.0 TO 4.4							
4.4 TO 4.8							
4.8 TO 5.2							
5.2 TO 5.6							
5.6 TO 6.0							
6.0 TO 6.4							
6.4 TO 6.8							
6.8 TO 7.2							
7.2 TO 7.6							
7.6 TO 8.0							
8.0 TO 8.4							
8.4 TO 8.8							
8.8 TO 9.2							
9.2 TO 9.6							
9.6 TO 10.0							
FLY TIME (min)	95.5	372.5	234.7	73.3			776.0
Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
NE	NE	NE	NE	NE	NE	NE	NE
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
2.8 TO 3.2							
3.2 TO 3.6							
3.6 TO 4.0							
4.0 TO 4.4							
4.4 TO 4.8							
4.8 TO 5.2							
5.2 TO 5.6							
5.6 TO 6.0							
6.0 TO 6.4							
6.4 TO 6.8							
6.8 TO 7.2							
7.2 TO 7.6							
7.6 TO 8.0							
8.0 TO 8.4							
8.4 TO 8.8							
8.8 TO 9.2							
9.2 TO 9.6							
9.6 TO 10.0							
FLY TIME (min)	20.1	299.3	99.1	8.7			327.2
Altitude: 25,000 to 30,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL
NE	NE	NE	NE	NE	NE	NE	NE
ABOVE 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
2.8 TO 3.2							
3.2 TO 3.6							
3.6 TO 4.0							
4.0 TO 4.4							
4.4 TO 4.8							
4.8 TO 5.2							
5.2 TO 5.6							
5.6 TO 6.0							
6.0 TO 6.4							
6.4 TO 6.8							
6.8 TO 7.2							
7.2 TO 7.6							
7.6 TO 8.0							
8.0 TO 8.4							
8.4 TO 8.8							
8.8 TO 9.2							
9.2 TO 9.6							
9.6 TO 10.0							
FLY TIME (min)	31.3						31.3

Table 197
HC-130G — Distribution of Maneuver Load Factors by Equivalent
Airspeed and Altitude — Mission IV (Search and Rescue) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 3000 feet								Altitude: 3000 to 10,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2							1.2 TO 1.6	1.2						
0.8 TO 1.2	0.8							0.8 TO 1.2	0.8						
0.4 TO 0.8	0.4							0.4 TO 0.8	0.4						
0.0 TO 0.4	0.0							0.0 TO 0.4	0.0						
BELOW 0.0	0.0							BELOW 0.0	0.0						
FLY TIME (MIN)		67.4	28.6	4.3			100.4	FLY TIME (MIN)		29.7					29.7
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2							1.2 TO 1.6	1.2						
0.8 TO 1.2	0.8							0.8 TO 1.2	0.8						
0.4 TO 0.8	0.4							0.4 TO 0.8	0.4						
0.0 TO 0.4	0.0							0.0 TO 0.4	0.0						
BELOW 0.0	0.0							BELOW 0.0	0.0						
FLY TIME (MIN)		28.9	4.0				32.9	FLY TIME (MIN)		31.9	2.7				34.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2							1.2 TO 1.6	1.2						
0.8 TO 1.2	0.8							0.8 TO 1.2	0.8						
0.4 TO 0.8	0.4							0.4 TO 0.8	0.4						
0.0 TO 0.4	0.0							0.0 TO 0.4	0.0						
BELOW 0.0	0.0							BELOW 0.0	0.0						
FLY TIME (MIN)		8.2	57.3	8.6			74.1	FLY TIME (MIN)		29.0	74.2	16.0			117.2
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					
NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ	NE	NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	TOTAL NZ
ABOVE 2.8	2.8							ABOVE 2.8	2.8						
2.4 TO 2.8	2.4							2.4 TO 2.8	2.4						
2.0 TO 2.4	2.0							2.0 TO 2.4	2.0						
1.6 TO 2.0	1.6							1.6 TO 2.0	1.6						
1.2 TO 1.6	1.2							1.2 TO 1.6	1.2						
0.8 TO 1.2	0.8							0.8 TO 1.2	0.8						
0.4 TO 0.8	0.4							0.4 TO 0.8	0.4						
0.0 TO 0.4	0.0							0.0 TO 0.4	0.0						
BELOW 0.0	0.0							BELOW 0.0	0.0						
FLY TIME (MIN)		4.0	88.8				92.8	FLY TIME (MIN)							

Table 198
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet									
LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL	
DELTA N2	THAN	150	200	250	300	350	AND ABOVE	DELTA N2	
1.0	1.0	150	200	250	300	350			
1.2	1.2								
1.4	1.4								
1.6	1.6								
1.8	1.8								
2.0	2.0								
2.2	2.2								
2.4	2.4								
2.6	2.6								
2.8	2.8								
3.0	3.0								
3.2	3.2								
3.4	3.4								
3.6	3.6								
3.8	3.8								
4.0	4.0								
4.2	4.2								
4.4	4.4								
4.6	4.6								
4.8	4.8								
5.0	5.0								
5.2	5.2								
5.4	5.4								
5.6	5.6								
5.8	5.8								
6.0	6.0								
6.2	6.2								
6.4	6.4								
6.6	6.6								
6.8	6.8								
7.0	7.0								
7.2	7.2								
7.4	7.4								
7.6	7.6								
7.8	7.8								
8.0	8.0								
8.2	8.2								
8.4	8.4								
8.6	8.6								
8.8	8.8								
9.0	9.0								
9.2	9.2								
9.4	9.4								
9.6	9.6								
9.8	9.8								
10.0	10.0								
10.2	10.2								
10.4	10.4								
10.6	10.6								
10.8	10.8								
11.0	11.0								
11.2	11.2								
11.4	11.4								
11.6	11.6								
11.8	11.8								
12.0	12.0								
12.2	12.2								
12.4	12.4								
12.6	12.6								
12.8	12.8								
13.0	13.0								
13.2	13.2								
13.4	13.4								
13.6	13.6								
13.8	13.8								
14.0	14.0								
14.2	14.2								
14.4	14.4								
14.6	14.6								
14.8	14.8								
15.0	15.0								
15.2	15.2								
15.4	15.4								
15.6	15.6								
15.8	15.8								
16.0	16.0								
16.2	16.2								
16.4	16.4								
16.6	16.6								
16.8	16.8								
17.0	17.0								
17.2	17.2								
17.4	17.4								
17.6	17.6								
17.8	17.8								
18.0	18.0								
18.2	18.2								
18.4	18.4								
18.6	18.6								
18.8	18.8								
19.0	19.0								
19.2	19.2								
19.4	19.4								
19.6	19.6								
19.8	19.8								
20.0	20.0								
20.2	20.2								
20.4	20.4								
20.6	20.6								
20.8	20.8								
21.0	21.0								
21.2	21.2								
21.4	21.4								
21.6	21.6								
21.8	21.8								
22.0	22.0								
22.2	22.2								
22.4	22.4								
22.6	22.6								
22.8	22.8								
23.0	23.0								
23.2	23.2								
23.4	23.4								
23.6	23.6								
23.8	23.8								
24.0	24.0								
24.2	24.2								
24.4	24.4								
24.6	24.6								
24.8	24.8								
25.0	25.0								
25.2	25.2								
25.4	25.4								
25.6	25.6								
25.8	25.8								
26.0	26.0								
26.2	26.2								
26.4	26.4								
26.6	26.6								
26.8	26.8								
27.0	27.0								
27.2	27.2								
27.4	27.4								
27.6	27.6								
27.8	27.8								
28.0	28.0								
28.2	28.2								
28.4	28.4								
28.6	28.6								
28.8	28.8								
29.0	29.0								
29.2	29.2								
29.4	29.4								
29.6	29.6								
29.8	29.8								
30.0	30.0								
30.2	30.2								
30.4	30.4								
30.6	30.6								
30.8	30.8								
31.0	31.0								
31.2	31.2								
31.4	31.4								
31.6	31.6								
31.8	31.8								
32.0	32.0								
32.2	32.2								
32.4	32.4								
32.6	32.6								
32.8	32.8								
33.0	33.0								
33.2	33.2								
33.4	33.4								
33.6	33.6								
33.8	33.8								
34.0	34.0								
34.2	34.2								
34.4	34.4								
34.6	34.6								
34.8	34.8								
35.0	35.0								
35.2	35.2								

Table 199
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	150.1	57.6	5.0				192.7	FLY TIME (MIN)	23.4	2.2					25.7
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	10.5	6.6					25.1	FLY TIME (MIN)	0.9	5.9					12.7
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLY TIME (MIN)	3.1	4.0	3.4				7.5	FLY TIME (MIN)	3.9	9.5	0.5				13.9
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA NZ
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3															

Table 200
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission I (Airdrop) —
Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet							
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8							
1.4 TO 1.6							
1.0 TO 1.4							
0.8 TO 1.0							
0.6 TO 0.8							
0.5 TO 0.6							
0.4 TO 0.5							
0.3 TO 0.4			2				2
0.2 TO 0.3		6	6				12
0.1 TO 0.2	6	56	46				108
-0.2 TO -0.1	4	72	85				161
-0.3 TO -0.2	1	2	6				9
-0.4 TO -0.3			1				1
-0.6 TO -0.4							
-0.8 TO -0.6							
-1.0 TO -0.8							
BELOW -1.0							
PLF TIME (MIN)	3.0	12.2	9.8				25.0

Table 201

Altitude: 5000 to 10,000 Feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							TOTAL
LOAD FACTOR	LESS IMAG	150	200	250	300	350 AND ABOVE	DELTA VE
DELTA VE	150	200	250	300	350		
ABOVE 1.0							
1.4 TO 1.0							
1.6 TO 1.4							
2.0 TO 1.6							
2.6 TO 2.0							
3.0 TO 2.6							
3.4 TO 3.0							
3.8 TO 3.4							
4.2 TO 3.8							
4.6 TO 4.2							
5.0 TO 4.6							
5.4 TO 5.0							
5.8 TO 5.4							
6.2 TO 5.8							
6.6 TO 6.2							
7.0 TO 6.6							
7.4 TO 7.0							
7.8 TO 7.4							
8.2 TO 7.8							
8.6 TO 8.2							
9.0 TO 8.6							
9.4 TO 9.0							
9.8 TO 9.4							
10.2 TO 9.8							
10.6 TO 10.2							
11.0 TO 10.6							
11.4 TO 11.0							
11.8 TO 11.4							
12.2 TO 11.8							
12.6 TO 12.2							
13.0 TO 12.6							
13.4 TO 13.0							
13.8 TO 13.4							
14.2 TO 13.8							
14.6 TO 14.2							
15.0 TO 14.6							
15.4 TO 15.0							
15.8 TO 15.4							
16.2 TO 15.8							
16.6 TO 16.2							

Altitude: 2000 to 5000 feet							
LOAD		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL
FACTOR	LESS	150	200	250	300	350	
DELTA 42	THAN	TO	TO	TO	TO	AND	DELTA 42
	150	200	250	300	350	ABOVE	
ABOVE	1.0						
1.4 TO	1.8						
1.0 TO	1.4						
0.8 TO	1.0						
0.6 TO	0.8						
0.5 TO	0.6						
0.4 TO	0.5						
0.3 TO	0.4						
0.2 TO	0.3						
0.1 TO	0.2						
-0.2 TO	-0.1						
-0.3 TO	-0.2						
-0.4 TO	-0.3						
-0.6 TO	-0.4						
-0.8 TO	-0.6						
-1.0 TO	-0.8						
BELOW	-1.0						
FLY TIME							
(M)	0.9	1.1	11.7				
							13.7

Altitude: 10,000 to 15,000 feet						
LOAD FACTOR	EQUivalent	AIMSPEED	VE (KNOTS)			TOTAL
DELTA WZ	LESS TMAA	150 TC	200 TC	250 TC	300 TC	350 AND DELTA WZ
ABOVE	150	200	250	300	350	ABOVE
1.4 TC	1.0					
1.0 TC	1.4					
0.8 TC	1.0					
0.6 TC	0.8					
0.5 TC	0.6					
0.4 TC	0.5					
0.3 TC	0.4					
0.2 TC	0.3					
0.1 TC	0.2					
NO ENTRIES						
-0.2 TC	-0.1					
-0.3 TC	-0.2					
-0.4 TC	-0.3					
-0.6 TC	-0.4					
-0.8 TC	-0.6					
-1.0 TC	-0.8					
BELOW	-1.0					
FLT TIME						
(114)			2.7			2.3

LOAD FACTOR		EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL	
DELTA N2	THAN	150	200	250	300	350	AND	DELTA N2
ACCEL	1.0	200	250	300	350	ACCEL		
1.4 TC	1.0							
1.0 TC	1.4							
0.8 TC	1.0							
0.6 TC	0.8							
0.5 TC	0.6							
0.4 TC	0.5							
0.3 TC	0.4							
0.2 TC	0.3							
0.1 TC	0.2							
-0.2 TC	-0.1	1						1
-0.3 TC	-0.2							
-0.4 TC	-0.3							
-0.6 TC	-0.4							
-0.8 TC	-0.6							
-1.0 TC	-0.8							
DELTA	-1.0							
FLT TIME		77.5	0.5					78.0
(=14)								

2000 6 16 20:00 4 01

Altitude: 2000 to 5000 feet

Table 203
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 105, 000 to 115, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ
DELTA NZ	150	200	250	300	350	ABOVE		DELTA NZ	150	200	250	300	350	ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (min)	105.7	133.7	21.4				260.8	FLT TIME (min)	24.5	97.4	46.8	0.2			169.1
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ
DELTA NZ	150	200	250	300	350	ABOVE		DELTA NZ	150	200	250	300	350	ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (min)	2.7	77.4	125.8	0.9			206.8	FLT TIME (min)	82.9	14.8	0.6				98.3
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ
DELTA NZ	150	200	250	300	350	ABOVE		DELTA NZ	150	200	250	300	350	ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (min)	1.4	88.3	103.7	0.1			265.5	FLT TIME (min)	2.2	175.1					177.4
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ	LOAD FACTOR	LESS THAN	150 TO	200 TO	250 TO	300 TO	350 AND ABOVE	TOTAL DELTA NZ
DELTA NZ	150	200	250	300	350	ABOVE		DELTA NZ	150	200	250	300	350	ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (min)	236.5	2.0					240.5	FLT TIME (min)	10.0						10.0

Table 204
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0							
1.0 TO 1.4							
1.4 TO 1.8							
1.8 TO 2.0							
2.0 TO 2.4							
2.4 TO 2.8							
2.8 TO 3.0							
3.0 TO 3.2							
3.2 TO 3.4							
3.4 TO 3.6							
3.6 TO 3.8							
3.8 TO 4.0							
4.0 TO 4.2							
4.2 TO 4.4							
4.4 TO 4.6							
4.6 TO 4.8							
4.8 TO 5.0							
5.0 TO 5.2							
5.2 TO 5.4							
5.4 TO 5.6							
5.6 TO 5.8							
5.8 TO 6.0							
6.0 TO 6.2							
6.2 TO 6.4							
6.4 TO 6.6							
6.6 TO 6.8							
6.8 TO 7.0							
7.0 TO 7.2							
7.2 TO 7.4							
7.4 TO 7.6							
7.6 TO 7.8							
7.8 TO 8.0							
8.0 TO 8.2							
8.2 TO 8.4							
8.4 TO 8.6							
8.6 TO 8.8							
8.8 TO 9.0							
9.0 TO 9.2							
9.2 TO 9.4							
9.4 TO 9.6							
9.6 TO 9.8							
9.8 TO 10.0							
10.0 TO 10.2							
10.2 TO 10.4							
10.4 TO 10.6							
10.6 TO 10.8							
10.8 TO 11.0							
11.0 TO 11.2							
11.2 TO 11.4							
11.4 TO 11.6							
11.6 TO 11.8							
11.8 TO 12.0							
12.0 TO 12.2							
12.2 TO 12.4							
12.4 TO 12.6							
12.6 TO 12.8							
12.8 TO 13.0							
13.0 TO 13.2							
13.2 TO 13.4							
13.4 TO 13.6							
13.6 TO 13.8							
13.8 TO 14.0							
14.0 TO 14.2							
14.2 TO 14.4							
14.4 TO 14.6							
14.6 TO 14.8							
14.8 TO 15.0							
15.0 TO 15.2							
15.2 TO 15.4							
15.4 TO 15.6							
15.6 TO 15.8							
15.8 TO 16.0							
16.0 TO 16.2							
16.2 TO 16.4							
16.4 TO 16.6							
16.6 TO 16.8							
16.8 TO 17.0							
17.0 TO 17.2							
17.2 TO 17.4							
17.4 TO 17.6							
17.6 TO 17.8							
17.8 TO 18.0							
18.0 TO 18.2							
18.2 TO 18.4							
18.4 TO 18.6							
18.6 TO 18.8							
18.8 TO 19.0							
19.0 TO 19.2							
19.2 TO 19.4							
19.4 TO 19.6							
19.6 TO 19.8							
19.8 TO 20.0							
20.0 TO 20.2							
20.2 TO 20.4							
20.4 TO 20.6							
20.6 TO 20.8							
20.8 TO 21.0							
21.0 TO 21.2							
21.2 TO 21.4							
21.4 TO 21.6							
21.6 TO 21.8							
21.8 TO 22.0							
22.0 TO 22.2							
22.2 TO 22.4							
22.4 TO 22.6							
22.6 TO 22.8							
22.8 TO 23.0							
23.0 TO 23.2							
23.2 TO 23.4							
23.4 TO 23.6							
23.6 TO 23.8							
23.8 TO 24.0							
24.0 TO 24.2							
24.2 TO 24.4							
24.4 TO 24.6							
24.6 TO 24.8							
24.8 TO 25.0							
25.0 TO 25.2							
25.2 TO 25.4							
25.4 TO 25.6							
25.6 TO 25.8							
25.8 TO 26.0							
26.0 TO 26.2							
26.2 TO 26.4							
26.4 TO 26.6							
26.6 TO 26.8							
26.8 TO 27.0							
27.0 TO 27.2							
27.2 TO 27.4							
27.4 TO 27.6							
27.6 TO 27.8							
27.8 TO 28.0							
28.0 TO 28.2							
28.2 TO 28.4							
28.4 TO 28.6							
28.6 TO 28.8							
28.8 TO 29.0							
29.0 TO 29.2							
29.2 TO 29.4							
29.4 TO 29.6							
29.6 TO 29.8							
29.8 TO 30.0							
30.0 TO 30.2							
30.2 TO 30.4							
30.4 TO 30.6							
30.6 TO 30.8							
30.8 TO 31.0							
31.0 TO 31.2							
31.2 TO 31.4							
31.4 TO 31.6							
31.6 TO 31.8							
31.8 TO 32.0							
32.0 TO 32.2							
32.2 TO 32.4							
32.4 TO 32.6							
32.6 TO 32.8							
32.8 TO 33.0							
33.0 TO 33.2							
33.2 TO 33.4							
33.4 TO 33.6							
33.6 TO 33.8							
33.8 TO 34.0							
34.0 TO 34.2							
34.2 TO 34.4							
34.4 TO 34.6							
34.6 TO 34.8							
34.8 TO 35.0							
35.0 TO 35.2							
35.2 TO 35.4							
35.4 TO 35.6							
35.6 TO 35.8							
35.8 TO 36.0							
36.0 TO 36.2							
36.2 TO 36.4							
36.4 TO 36.6							
36.6 TO 36.8							
36.8 TO 37.0							
37.0 TO 37.2							
37.2 TO 37.4							
37.4 TO 37.6							
37.6 TO 37.8							
37.8 TO 38.0							
38.0 TO 38.2							
38.2 TO 38.4							
38.4 TO 38.6							
38.6 TO 38.8							
38.8 TO 39.0							
39.0 TO 39.2							
39.2 TO 39.4							
39.4 TO 39.6							
39.6 TO 39.8							
39.8 TO 40.0							
40.0 TO 40.2							
40.2 TO 40.4							
40.4 TO 40.6							
40.6 TO 40.8							
40.8 TO 41.0							
41.0 TO 41.2							
41.2 TO 41.4							
41.4 TO 41.6							
41.6 TO 41.8							
41.8 TO 42.0							
42.0 TO 42.2							
42.2 TO 42.4							
42.4 TO 42.6							
42.6 TO 42.8							
42.8 TO 43.0							
43.0 TO 43.2							
43.2 TO 43.4							
43.4 TO 43.6							
43.6 TO 43.8							
43.8 TO 44.0							
44.0 TO 44.2							
44.2 TO 44.4							
44.4 TO 44.6							
44.6 TO 44.8							
44.8 TO 45.0							
45.0 TO 45.2							
45.2 TO 45.4							
45.4 TO 45.6							
45.6 TO 45.8							
45.8 TO 46.0							
46.0 TO 46.2							
46.2 TO 46.4							
46.4 TO 46.6							
46.6 TO 46.8							
46.8 TO 47.0							
47.0 TO 47.2							
47.2 TO 47.4							
47.4 TO 47.6							
47.6 TO 47.8							
47.8 TO 48.0							
48.0 TO 48.2							
48.2 TO 48.4							
48.4 TO 48.6							
48.6 TO 48.8							
48.8 TO 49.0							
49.0 TO 49.2							
49.2 TO 49.4							
49.4 TO 49.6							
49.6 TO 49.8							
49.8 TO 50.0							
50.0 TO 50.2							
50.2 TO 50.4							
50.4 TO 50.6							
50.6 TO 50.8							
50.8 TO 51.0							
51.0 TO 51.2							
51.2 TO 51.4							
51.4 TO 51.6							
51.6 TO 51.8			</				

Table 205

**HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission II (Logistics and Cross Country)
— Gross Weight Range: 125,000 lb. and Above**

Altitude: 0 to 2000 feet							Altitude: 2000 to 5000 feet						
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.6 TO 1.0							0.6 TO 1.0						
0.2 TO 0.6							0.2 TO 0.6						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)	5.7	6.6				12.3	FLY TIME (MIN)	0.3					4.3
Altitude: 5000 to 10,000 feet							Altitude: 10,000 to 15,000 feet						
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.6 TO 1.0							0.6 TO 1.0						
0.2 TO 0.6							0.2 TO 0.6						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)		13.2				13.2	FLY TIME (MIN)		20.7				20.7
Altitude: 15,000 to 20,000 feet							Altitude: 20,000 to 25,000 feet						
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.6 TO 1.0							0.6 TO 1.0						
0.2 TO 0.6							0.2 TO 0.6						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)		28.0				28.0	FLY TIME (MIN)		48.0	57.0			98.0
Altitude: 25,000 to 30,000 feet							Altitude: 30,000 to 35,000 feet						
LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	LOAD FACTOR DELTA %	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE 1.8							ABOVE 1.8						
1.4 TO 1.8							1.4 TO 1.8						
1.0 TO 1.4							1.0 TO 1.4						
0.6 TO 1.0							0.6 TO 1.0						
0.2 TO 0.6							0.2 TO 0.6						
0.2 TO 0.3							0.2 TO 0.3						
0.1 TO 0.2							0.1 TO 0.2						
-0.2 TO -0.1							-0.2 TO -0.1						
-0.3 TO -0.2							-0.3 TO -0.2						
-0.4 TO -0.3							-0.4 TO -0.3						
-0.6 TO -0.4							-0.6 TO -0.4						
-0.8 TO -0.6							-0.8 TO -0.6						
-1.0 TO -0.8							-1.0 TO -0.8						
BELOW -1.0							BELOW -1.0						
FLY TIME (MIN)		86.0				86.0	FLY TIME (MIN)						

Table 206
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 75,000 to 85,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4	1	1					2	0.3 TO 0.4							
0.2 TO 0.3	4	4					12	0.2 TO 0.3			1				1
0.1 TO 0.2	45	11					56	0.1 TO 0.2	4		5				9
-0.2 TO -0.1	40	10					50	-0.2 TO -0.1	10		2				12
-0.3 TO -0.2	5	2					7	-0.3 TO -0.2			1				1
-0.4 TO -0.3	1						1	-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	8.3	1.9					10.2	FLT TIME (MIN)	1.5		1.4				2.9
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1			1				1	-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)		1.1					1.1	FLT TIME (MIN)							
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	3.7	0.7					4.4	FLT TIME (MIN)							
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 feet and Above							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	2.0	4.7					6.7	FLT TIME (MIN)	12.6	6.0					18.6

Table 207
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 85,000 to 95,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2	DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	1.0	11.2	0.3				13.5	FLT TIME (MIN)	4.7	1.0					5.7
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2	DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	25.2	41.4	3.6				70.2	FLT TIME (MIN)	6.7						6.7
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2	DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	4.8						4.8	FLT TIME (MIN)	10.3						10.3
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)								EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL	LOAD FACTOR	LESS THAN	150	200	250	300	350	TOTAL
DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2	DELTA N2	150	200	250	300	350	AND ABOVE	DELTA N2
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	5.6						5.6	FLT TIME (MIN)							

Table 208
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 95, 000 to 105, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2	EQUIVALENT		AIRSPEED - VE (KNOTS)				TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT		AIRSPEED - VE (KNOTS)				TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME								FLT TIME							
(MIN)	385.4	271.8	41.6	2.7			709.7	(MIN)	76.7	101.0	24.8	7.6			213.2

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA N2	EQUIVALENT		AIRSPEED - VE (KNOTS)				TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT		AIRSPEED - VE (KNOTS)				TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME								FLT TIME							
(MIN)	3.4	28.2	39.2	17.4			82.2	(MIN)	20.0	21.6	11.5				53.2

Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA N2	EQUIVALENT		AIRSPEED - VE (KNOTS)				TOTAL DELTA N2	LOAD FACTOR DELTA N2	EQUIVALENT		AIRSPEED - VE (KNOTS)				TOTAL DELTA N2
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0								ABOVE 1.0							
1.4 TO 1.0								1.4 TO 1.0							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME								FLT TIME							
(MIN)	7.4	32.8	19.8	3.6			64.1	(MIN)	13.4	59.7	13.0				146.0

Table 209
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 105,000 to 115,000 lb.

Altitude: 0 to 2000 feet

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		1851.5	1482.8	124.6	37.3			3543.2

Altitude: 2000 to 5000 feet

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		234.8	954.3	140.3	16.5			1354.9

Altitude: 5000 to 10,000 feet

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		60.2	711.1	350.8	24.9			1146.9

Altitude: 10,000 to 15,000 feet

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		55.7	453.0	200.1	10.7			719.5

Altitude: 15,000 to 20,000 feet

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		93.6	904.0	197.5	2.8			1198.0

Altitude: 20,000 to 25,000 feet

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		157.0	1084.3	212.2				1453.5

Altitude: 25,000 to 30,000 feet

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		7.7	160.3	4.5				172.5

Altitude: 30,000 feet and Above

LOAD FACTOR DELTA NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.0	1.0							
1.0 TO 1.4	1.4							
0.8 TO 1.0	1.0							
0.6 TO 0.8	0.8							
0.5 TO 0.6	0.6							
0.4 TO 0.5	0.5							
0.3 TO 0.4	0.4							
0.2 TO 0.3	0.3							
0.1 TO 0.2	0.2							
-0.2 TO -0.1	-0.1							
-0.3 TO -0.2	-0.2							
-0.4 TO -0.3	-0.3							
-0.6 TO -0.4	-0.4							
-0.8 TO -0.6	-0.6							
-1.0 TO -0.8	-0.8							
BELOW -1.0	-1.0							
FLY TIME (MIN)		16.8	50.3					67.2

Table 210

HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission III (Training) —
Gross Weight Range: 115, 000 to 125, 000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	41.4	55.3	11.3				107.9	FLT TIME (MIN)	6.0						6.0

Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA N2
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	5.9	0.8					5.6	FLT TIME (MIN)							6.0

Table 211
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission IV (Search and Rescue) —
Gross Weight Range: 95,000 to 105,000 lb.

Altitude: 0 to 2000 feet							
EQUIVALENT AIRSPEED - VE (KNOTS)							
LOAD FACTOR DELTA MZ	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	TOTAL DELTA MZ
ABOVE 1.0							
1.0 TO 1.4							
1.4 TO 1.8							
1.8 TO 2.2							
2.2 TO 2.6							
2.6 TO 3.0							
3.0 TO 3.4							
3.4 TO 3.8							
3.8 TO 4.2							
4.2 TO 4.6							
4.6 TO 5.0							
5.0 TO 5.4							
5.4 TO 5.8							
5.8 TO 6.2							
6.2 TO 6.6							
6.6 TO 7.0							
7.0 TO 7.4							
7.4 TO 7.8							
7.8 TO 8.2							
8.2 TO 8.6							
8.6 TO 9.0							
9.0 TO 9.4							
9.4 TO 9.8							
9.8 TO 10.2							
10.2 TO 10.6							
10.6 TO 11.0							
11.0 TO 11.4							
11.4 TO 11.8							
11.8 TO 12.2							
12.2 TO 12.6							
12.6 TO 13.0							
13.0 TO 13.4							
13.4 TO 13.8							
13.8 TO 14.2							
14.2 TO 14.6							
14.6 TO 15.0							
15.0 TO 15.4							
15.4 TO 15.8							
15.8 TO 16.2							
16.2 TO 16.6							
16.6 TO 17.0							
17.0 TO 17.4							
17.4 TO 17.8							
17.8 TO 18.2							
18.2 TO 18.6							
18.6 TO 19.0							
19.0 TO 19.4							
19.4 TO 19.8							
19.8 TO 20.2							
20.2 TO 20.6							
20.6 TO 21.0							
21.0 TO 21.4							
21.4 TO 21.8							
21.8 TO 22.2							
22.2 TO 22.6							
22.6 TO 23.0							
23.0 TO 23.4							
23.4 TO 23.8							
23.8 TO 24.2							
24.2 TO 24.6							
24.6 TO 25.0							
25.0 TO 25.4							
25.4 TO 25.8							
25.8 TO 26.2							
26.2 TO 26.6							
26.6 TO 27.0							
27.0 TO 27.4							
27.4 TO 27.8							
27.8 TO 28.2							
28.2 TO 28.6							
28.6 TO 29.0							
29.0 TO 29.4							
29.4 TO 29.8							
29.8 TO 30.2							
30.2 TO 30.6							
30.6 TO 31.0							
31.0 TO 31.4							
31.4 TO 31.8							
31.8 TO 32.2							
32.2 TO 32.6							
32.6 TO 33.0							
33.0 TO 33.4							
33.4 TO 33.8							
33.8 TO 34.2							
34.2 TO 34.6							
34.6 TO 35.0							
35.0 TO 35.4							
35.4 TO 35.8							
35.8 TO 36.2							
36.2 TO 36.6							
36.6 TO 37.0							
37.0 TO 37.4							
37.4 TO 37.8							
37.8 TO 38.2							
38.2 TO 38.6							
38.6 TO 39.0							
39.0 TO 39.4							
39.4 TO 39.8							
39.8 TO 40.2							
40.2 TO 40.6							
40.6 TO 41.0							
41.0 TO 41.4							
41.4 TO 41.8							
41.8 TO 42.2							
42.2 TO 42.6							
42.6 TO 43.0							
43.0 TO 43.4							
43.4 TO 43.8							
43.8 TO 44.2							
44.2 TO 44.6							
44.6 TO 45.0							
45.0 TO 45.4							
45.4 TO 45.8							
45.8 TO 46.2							
46.2 TO 46.6							
46.6 TO 47.0							
47.0 TO 47.4							
47.4 TO 47.8							
47.8 TO 48.2							
48.2 TO 48.6							
48.6 TO 49.0							
49.0 TO 49.4							
49.4 TO 49.8							
49.8 TO 50.2							
50.2 TO 50.6							
50.6 TO 51.0							
51.0 TO 51.4							
51.4 TO 51.8							
51.8 TO 52.2							
52.2 TO 52.6							
52.6 TO 53.0							
53.0 TO 53.4							
53.4 TO 53.8							
53.8 TO 54.2							
54.2 TO 54.6							
54.6 TO 55.0							
55.0 TO 55.4							
55.4 TO 55.8							
55.8 TO 56.2							
56.2 TO 56.6							
56.6 TO 57.0							
57.0 TO 57.4							
57.4 TO 57.8							
57.8 TO 58.2							
58.2 TO 58.6							
58.6 TO 59.0							
59.0 TO 59.4							
59.4 TO 59.8							
59.8 TO 60.2							
60.2 TO 60.6							
60.6 TO 61.0							
61.0 TO 61.4							
61.4 TO 61.8							
61.8 TO 62.2							
62.2 TO 62.6							
62.6 TO 63.0							
63.0 TO 63.4							
63.4 TO 63.8							
63.8 TO 64.2							
64.2 TO 64.6							
64.6 TO 65.0							
65.0 TO 65.4							
65.4 TO 65.8							
65.8 TO 66.2							
66.2 TO 66.6							
66.6 TO 67.0							
67.0 TO 67.4							
67.4 TO 67.8							
67.8 TO 68.2							
68.2 TO 68.6							
68.6 TO 69.0							
69.0 TO 69.4							
69.4 TO 69.8							
69.8 TO 70.2							
70.2 TO 70.6							
70.6 TO 71.0							
71.0 TO 71.4							
71.4 TO 71.8							
71.8 TO 72.2							
72.2 TO 72.6							
72.6 TO 73.0							
73.0 TO 73.4							
73.4 TO 73.8							
73.8 TO 74.2							
74.2 TO 74.6							
74.6 TO 75.0							
75.0 TO 75.4							
75.4 TO 75.8							
75.8 TO 76.2							
76.2 TO 76.6							
76.6 TO 77.0							
77.0 TO 77.4							
77.4 TO 77.8							
77.8 TO 78.2							
78.2 TO 78.6							
78.6 TO 79.0							
79.0 TO 79.4							
79.4 TO 79.8							
79.8 TO 80.2							
80.2 TO 80.6							
80.6 TO 81.0							
81.0 TO 81.4							
81.4 TO 81.8							
81.8 TO 82.2							
82.2 TO 82.6							
82.6 TO 83.0							
83.0 TO 83.4							
83.4 TO 83.8							
83.8 TO 84.2							
84.2 TO 84.6							
84.6 TO 85.0							
85.0 TO 85.4							
85.4 TO 85.8							
85.8 TO 86.2							
86.2 TO 86.6							
86.6 TO 87.0							
87.0 TO 87.4							
87.4 TO 87.8							
87.8 TO 88.2							
88.2 TO 88.6							
88.6 TO 89.0							
89.0 TO 89.4							
89.4 TO 89.8							
89.8 TO 90.2							
90.2 TO 90.6							
90.6 TO 91.0							
91.0 TO 91.4							
91.4 TO 91.8							
91.8 TO 92.2							
92.2 TO 92.6							
92.6 TO 93.0							
93.0 TO 93.4							
93.4 TO 93.8							
93.8 TO 94.2							
94.2 TO 94.6							
94.6 TO 95.0							
95.0 TO 95.4							
95.4 TO 95.8							
95.8 TO 96.2							
96.2 TO 96.6							
96.6 TO 97.0							
97.0 TO 97.4							
97.4 TO 97.8							
97.8 TO 98.2							
98.2 TO 98.6							
98.6 TO 99.0							
99.0 TO 99.4							
99.4 TO 99.8							
99.8 TO 100.2							
100.2 TO 100.6							

Table 212

**HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission IV (Search and Rescue) —
Gross Weight Range: 105,000 to 115,000 lb.**

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
		150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.6 TO 1.0								0.6 TO 1.0							
0.2 TO 0.6								0.2 TO 0.6							
0.2 TO 0.4	2		1				3	0.2 TO 0.4							
0.2 TO 0.3		1	1		3		5	0.2 TO 0.3				3			3
0.2 TO 0.2		20	7				27	0.2 TO 0.2				3			3
0.2 TO 0.1	40	89	25	16			170	0.2 TO 0.1				11			25
0.1 TO 0.2	950	950	240	132			2330	0.1 TO 0.2	17	122	67	19			225
-0.2 TO -0.1	813	792	324	183			2112	-0.2 TO -0.1	17	107	67	22			213
-0.3 TO -0.2	36	77	29	22			166	-0.3 TO -0.2				12			24
-0.4 TO -0.3	4	10	3	2			19	-0.4 TO -0.3	1	1	3				5
-0.6 TO -0.4		1		1			2	-0.6 TO -0.4			1				1
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	1043.5	593.5	144.1	42.4			1835.6	FLT TIME (MIN)	62.2	240.4	83.2	11.0			417.8
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
		150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.6 TO 1.0								0.6 TO 1.0							
0.2 TO 0.6								0.2 TO 0.6							
0.2 TO 0.4			1				1	0.2 TO 0.4							
0.2 TO 0.3		3					3	0.2 TO 0.3							
0.2 TO 0.2		5	4	1			10	0.2 TO 0.2		1	1				2
0.1 TO 0.2	5	38	36	10			89	0.1 TO 0.2	6	4					10
-0.2 TO -0.1	2	37	45	5			89	-0.2 TO -0.1	19	4					23
-0.3 TO -0.2	1	7	6				14	-0.3 TO -0.2	2						2
-0.4 TO -0.3	1	1		1			3	-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4	2						2
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	59.5	372.5	256.7	73.3			762.0	FLT TIME (MIN)	45.2	168.7	57.2	35.3			346.9
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
		150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.6 TO 1.0								0.6 TO 1.0							
0.2 TO 0.6								0.2 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2		1					1	0.1 TO 0.2							
-0.2 TO -0.1		12					12	-0.2 TO -0.1							
-0.3 TO -0.2		10					10	-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	20.1	250.1	78.1	7.7			369.1	FLT TIME (MIN)	20.0	206.8	128.1				354.9
Altitude: 25,000 to 30,000 feet								Altitude: 30,000 to 35,000 feet							
LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2	LOAD FACTOR DELTA N2	LESS THAN 150	EQUIVALENT AIRSPEED - VE (KNOTS)					TOTAL DELTA N2
		150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE				150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.6 TO 1.0								0.6 TO 1.0							
0.2 TO 0.6								0.2 TO 0.6							
0.2 TO 0.4								0.2 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)								FLT TIME (MIN)							
		314.3					314.3								

Table 213
HC-130G — Distribution of Incremental Gust Load Factors by Equivalent
Airspeed and Altitude — Mission IV (Search and Rescue) —
Gross Weight Range: 115,000 to 125,000 lb.

Altitude: 0 to 2000 feet								Altitude: 2000 to 5000 feet							
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	87.4	28.8	4.5				100.4	FLT TIME (MIN)	29.7						29.7
Altitude: 5000 to 10,000 feet								Altitude: 10,000 to 15,000 feet							
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	28.9		4.0				32.9	FLT TIME (MIN)	31.9	2.7					34.6
Altitude: 15,000 to 20,000 feet								Altitude: 20,000 to 25,000 feet							
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	4.2	57.3	8.6				74.1	FLT TIME (MIN)	29.0	74.2	14.0				117.2
Altitude: 25,000 to 33,000 feet															
LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ	LOAD FACTOR DELTA NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL DELTA NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE			LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 1.8								ABOVE 1.8							
1.4 TO 1.8								1.4 TO 1.8							
1.0 TO 1.4								1.0 TO 1.4							
0.8 TO 1.0								0.8 TO 1.0							
0.6 TO 0.8								0.6 TO 0.8							
0.5 TO 0.6								0.5 TO 0.6							
0.4 TO 0.5								0.4 TO 0.5							
0.3 TO 0.4								0.3 TO 0.4							
0.2 TO 0.3								0.2 TO 0.3							
0.1 TO 0.2								0.1 TO 0.2							
-0.2 TO -0.1								-0.2 TO -0.1							
-0.3 TO -0.2								-0.3 TO -0.2							
-0.4 TO -0.3								-0.4 TO -0.3							
-0.6 TO -0.4								-0.6 TO -0.4							
-0.8 TO -0.6								-0.8 TO -0.6							
-1.0 TO -0.8								-1.0 TO -0.8							
BELOW -1.0								BELOW -1.0							
FLT TIME (MIN)	4.0	90.3					94.0	FLT TIME (MIN)							

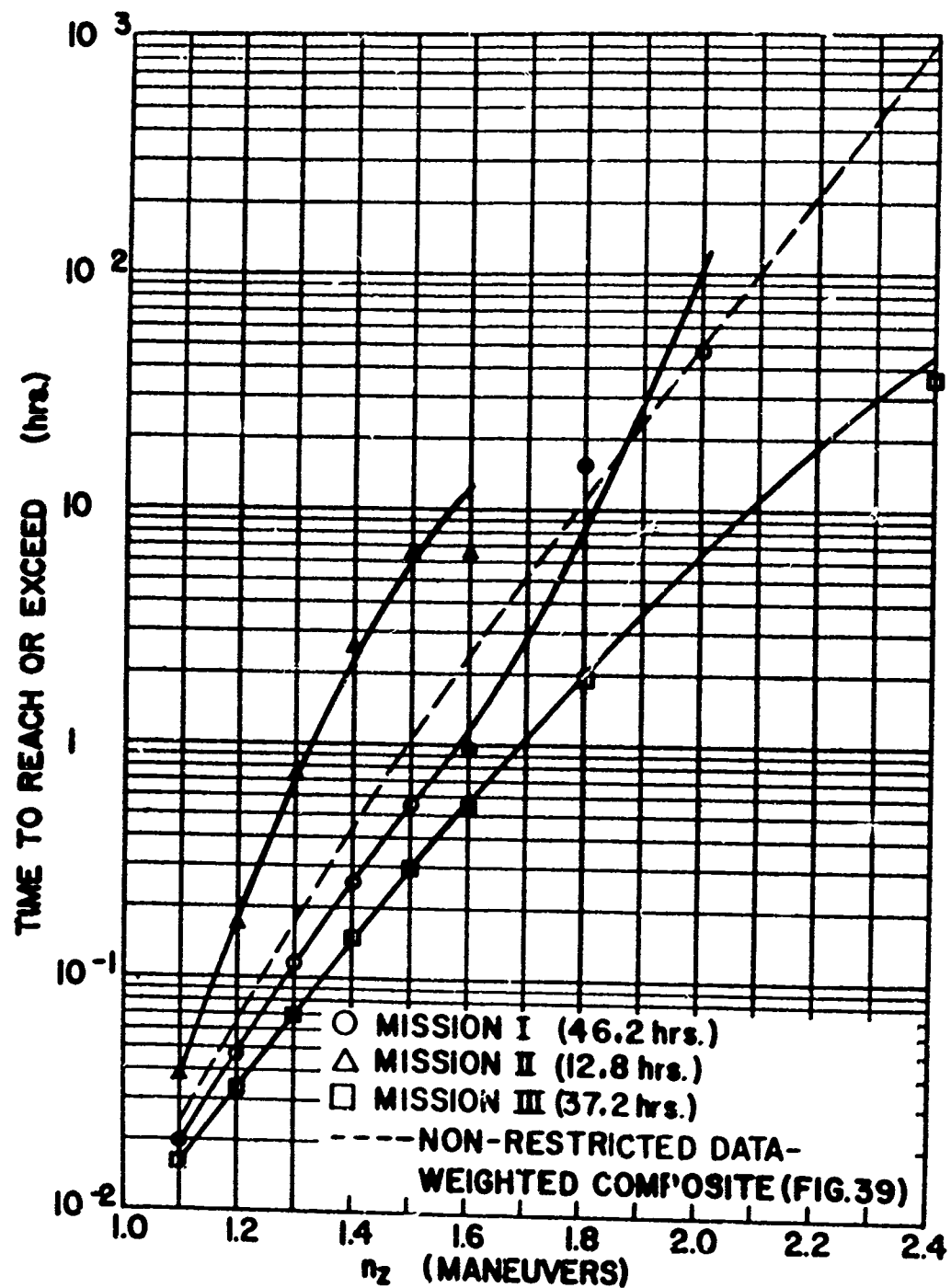


Figure 71. C-130B (Swift Strike III Exercise) — Ma-
neuver Load Factor Exceedance Curves —
Mission I (Airdrop), Mission II (Logistics
and Cross Country), and Mission III
(Training)

Table 214

**C-130B (Swift Strike III Exercises) — Flight Time Spent in
Simultaneous Ranges of Airspeed and Altitude
— Mission I (Airdrop)**

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	317.5	119.6	589.5	821.7	0.6		1,848.9
2,000- 5,000	37.6	45.9	268.8	476.7			828.9
5,000- 10,000		11.2	68.6	11.7			91.5
10,000- 15,000							0.
15,000- 20,000							0.
20,000- 25,000							0.
25,000- 30,000							0.
30,000 & ABOVE							0.
TOTAL TIME (MIN.)	355.1	176.6	926.9	1,310.1	0.6'	0	2,769.3

Table 215

**C-130B (Swift Strike III Exercises) — Flight Time Spent in
Simultaneous Ranges of Airspeed and Altitude
— Mission II (Logistics and Cross Country)**

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	38.5	33.9	67.8	110.4			250.6
2,000- 5,000	25.0	71.9	20.6	1.0			118.5
5,000- 10,000	7.8	18.6	16.9				43.4
10,000- 15,000	9.7	129.4	4.6				143.6
15,000- 20,000	8.0	17.5	3.8				29.3
20,000- 25,000	5.2	103.1	57.6				165.8
25,000- 30,000	10.2	1.6					11.8
30,000 & ABOVE	3.5						3.5
TOTAL TIME (MIN.)	107.8	376.1	171.3	111.4	0.	0.	766.7

Table 216

**C-130B (Swift Strike III Exercises) — Flight Time Spent in
Simultaneous Ranges of Airspeed and Altitude
— Mission III (Training)**

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	266.7	124.4	484.1	834.7			1,709.8
2,000- 5,000	8.0	23.9	190.7	305.3			528.0
5,000- 10,000			2.0	1.1			3.1
10,000- 15,000							0.
15,000- 20,000							0.
20,000- 25,000							0.
25,000- 30,000							0.
30,000 & ABOVE							0.
TOTAL TIME (MIN.)	274.7	48.3	676.8	1,141.2	0.	0.	2,241.0

Table 217

C-130B (Swift Strike III Exercises) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission I (Airdrop)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4			1				1
1.8 TO 2.0			1	1			2
1.6 TO 1.8	3	8	28	7			46
1.5 TO 1.6	4	4	20	8			36
1.4 TO 1.5	13	13	46	23			95
1.3 TO 1.4	67	24	68	52			211
1.2 TO 1.3	222	91	150	124			587
1.1 TO 1.2	512	198	315	385			1410
0.8 TO 0.9	287	100	154	180			721
0.7 TO 0.8	36	31	53	45			165
0.6 TO 0.7	5	5	10	10			30
0.4 TO 0.6	2		5	6			13
0.2 TO 0.4	1						1
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	355.1	176.6	926.9	1310.1	0.6		2769.3

Table 218

C-130B (Swift Strike III Exercises) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission II (Logistics and Cross Country)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		1	1				2
1.5 TO 1.6							
1.4 TO 1.5	1	2					3
1.3 TO 1.4	4	5	4				13
1.2 TO 1.3	20	21	11	5			57
1.1 TO 1.2	76	102	41	36			255
0.8 TO 0.9	32	34	24	17			107
0.7 TO 0.8	2	1	1	4			8
0.6 TO 0.7		1	1				2
0.4 TO 0.6	2						2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	107.8	376.1	171.3	111.4			766.7

Table 219

C-130B (Swift Strike III Exercises) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission III (Training)

LOAD FACTOR NZ		EQUIVALENT AIRSPEED — VE (KNOTS)					TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE
ABOVE	2.8						
2.4 TO	2.8				1		1
2.0 TO	2.4		1		3		4
1.8 TO	2.0		2	10	3		15
1.6 TO	1.8	6	9	20	16		51
1.5 TO	1.6	5	15	15	21		56
1.4 TO	1.5	13	21	52	37		123
1.3 TO	1.4	57	63	96	66		282
1.2 TO	1.3	158	114	174	168		614
1.1 TO	1.2	412	172	225	297		1106
0.8 TO	0.9	279	82	158	202		721
0.7 TO	0.8	29	30	82	95		236
0.6 TO	0.7	4		23	36		63
0.4 TO	0.6	4	3	12	13		32
0.2 TO	0.4				4		4
0.0 TO	0.2						
BELOW	0.0						
FLT TIME (MIN)		274.7	148.3	676.8	1141.2		2241.0

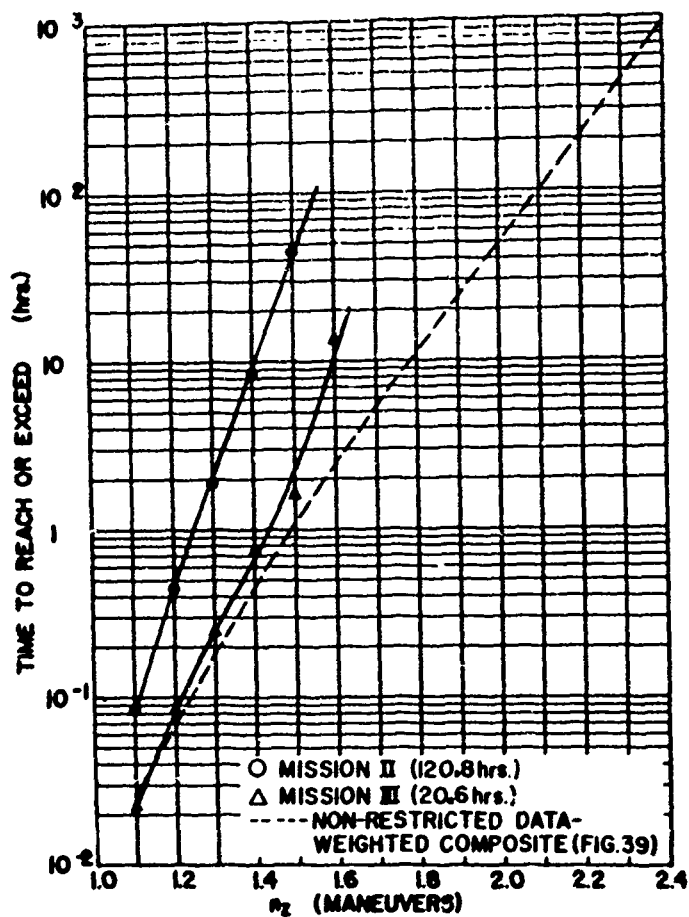


Figure 72. C-130B (Restricted Operation) — Maneuver Load Factor Exceedance Curves — Mission II (Logistics and Cross Country) and Mission III (Training)

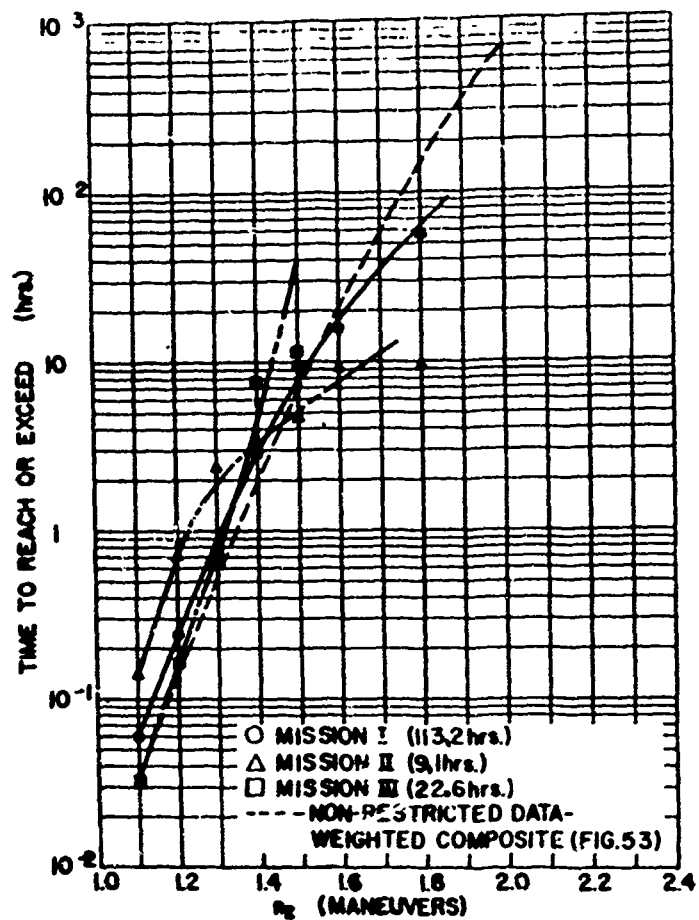
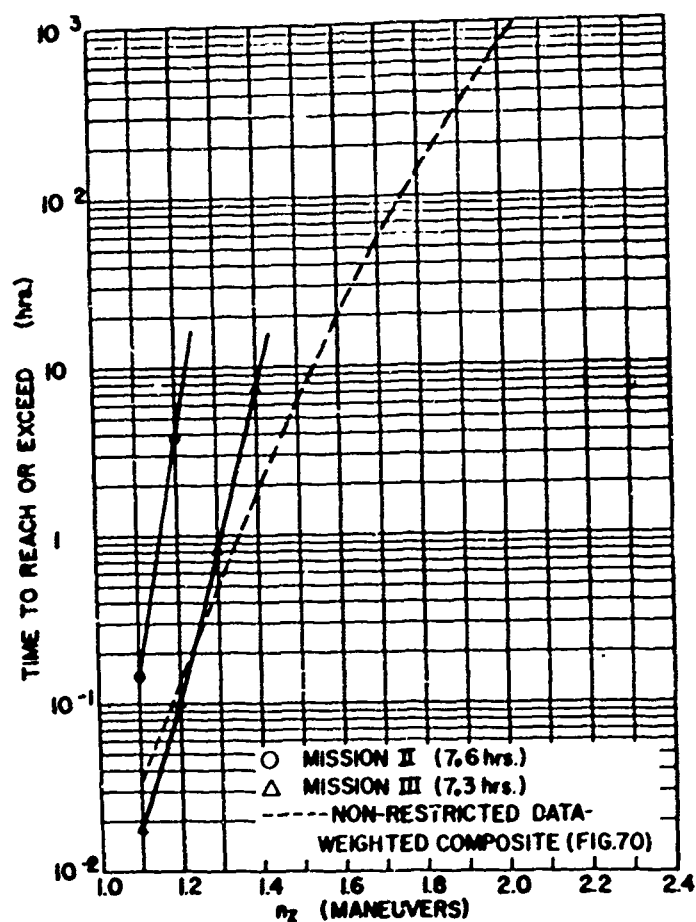


Figure 73

JC-130 (Restricted Operation) — Maneuver Load Factor Exceedance Curves — Mission I (Airdrop), Mission II (Logistics and Cross Country), and Mission III (Training)

Figure 74. HC-130G (Restricted Operation) — Maneuver Load Factor Exceedance Curves — Mission II (Logistics and Cross Country) and Mission III (Training)

Table 220

C-130B (Restricted Operation) — Flight Time Spent in Simultaneous
Ranges of Airspeed and Altitude — Mission II
(Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	127.6	87.5	9.1				224.3
2,000- 5,000	97.9	199.0	102.8				399.7
5,000- 10,000	10.3	313.1	160.2	0.5			484.0
10,000- 15,000	12.9	315.0	235.2				563.0
15,000-20,000	23.5	1,101.4	57.5				1,182.5
20,000-25,000	38.4	1,421.2	101.1				1,560.7
25,000-30,000	9.4	2,268.5	49.7				2,327.6
30,000 & ABOVE		504.2					504.2
TOTAL TIME (MIN.)	320.0	6,210.0	715.6	0.5	0.	0.	7,246.1

Table 221

C-130B (Restricted Operation) — Flight Time Spent in Simultaneous
Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	110.2	62.2	2.7				175.0
2,000- 5,000	128.1	503.4	73.8	0.7			705.9
5,000- 10,000		15.3	1.9	0.5			17.7
10,000- 15,000		16.9	3.1				20.0
15,000-20,000	2.9	39.3	5.4				47.6
20,000-25,000	4.0	31.9	42.9				78.8
25,000-30,000		180.6	8.7				189.3
30,000 & ABOVE							0.
TOTAL TIME (MIN.)	245.2	849.5	138.5	1.2	0.	0.	1,234.4

Table 222

JC-130 (Restricted Operation) — Flight Time Spent in Simultaneous
Ranges of Airspeed and Altitude — Mission I (Airdrop)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	222.5	232.9	17.1				472.5
2,000- 5,000	150.2	235.4	27.7				413.3
5,000- 10,000	2,255.4	804.7	178.6				3,238.7
10,000- 15,000	932.6	357.9	53.5				1,344.0
15,000- 20,000	28.7	125.3	14.6				168.6
20,000- 25,000	15.6	410.6	9.7				435.8
25,000- 30,000	12.7	647.7	9.6				669.9
30,000 & ABOVE	42.0	4.7					46.7
TOTAL TIME (MIN)	3,659.6	2,819.1	310.9	0.	0.	0.	6,789.6

Table 223

JC-130 (Restricted Operation) — Flight Time Spent in Simultaneous
Ranges of Airspeed and Altitude — Mission II
(Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	5.4	21.1	1.7				28.2
2,000- 5,000		18.6	8.5				27.1
5,000- 10,000		26.9	28.5				55.4
10,000- 15,000		13.8	7.7				21.5
15,000- 20,000		16.0					16.0
20,000- 25,000		198.0					198.0
25,000- 30,000		200.2					200.2
30,000 & ABOVE							0.
TOTAL TIME (MIN)	5.4	494.6	46.4	0.	0.	0.	546.4

Table 224

JC-130 (Restricted Operation) — Flight Time Spent in Simultaneous
Ranges of Airspeed and Altitude — Mission III (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	108.5	172.5	11.2				292.2
2,000- 5,000	59.6	138.1	15.9				213.6
5,000- 10,000	47.5	140.5	2.2				190.1
10,000- 15,000	10.5	56.2	1.7				68.4
15,000-20,000	28.4	139.7					168.2
20,000-25,000	24.1	68.2					92.3
25,000-30,000	47.4	286.1					333.5
30,000 & ABOVE							0.
TOTAL TIME (MIN)	326.2	1,001.3	31.0	0.	0.	0.	1,358.4

Table 225

HC-130G (Restricted Operation) — Flight Time Spent in Simultaneous
Ranges of Airspeed and Altitude — Mission II
(Logistics and Cross Country)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_e (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 & ABOVE	
0- 2,000	7.3	4.1					11.4
2,000- 5,000		9.9	1.9				11.9
5,000- 10,000		12.9	2.5				15.4
10,000- 15,000		23.7					23.7
15,000-20,000		25.3					25.3
20,000-25,000		127.3	4.0				131.3
25,000-30,000	6.0	214.2	17.5				237.7
30,000 & ABOVE							0.
TOTAL TIME (MIN)	13.3	417.5	25.9	0.	0.	0.	456.7

Table 226

HC-130G (Restricted Operation) — Flight Time Spent in Simultaneous
Ranges of Airspeed and Altitude — Mission I^r (Training)

PRESSURE ALTITUDE (FEET)	EQUIVALENT AIRSPEED - V_0 (KNOTS)						TOTAL TIME (MIN.)
	BELOW 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
0 - 2,000	89.6	70.2	0.4				160.2
2,000 - 3,000	6.2	26.1	1.3				33.6
3,000 - 5,000		39.1	1.1				40.2
5,000 - 10,000	6.1	81.9	2.3				90.4
10,000 - 15,000	1.7	26.1	26.0				53.8
15,000 - 20,000	11.9	38.1	8.8				58.8
20,000 - 25,000							0.
25,000 - 30,000							0.
30,000 & ABOVE							0.
TOTAL TIME (MIN)	115.5	281.5	39.9	0.	0.	0.	436.9

Table 227

C-130B (Restricted Operation) — Distribution of Maneuver Load
Factors by Equivalent Airspeed — Composite for Mission II
(Logistics and Cross Country)

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - V_E (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6		3					3
1.4 TO	1.5		8	3				11
1.3 TO	1.4		28	14				50
1.2 TO	1.3	56	130	29				215
1.1 TO	1.2	394	625	147	1			1167
0.8 TO	0.9	209	375	58	1			643
0.7 TO	0.8	20	38	3				61
0.6 TO	0.7	2	7					9
0.4 TO	0.6	1						1
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME								
(MIN)		320.0	6210.0	715.6	0.5			7246.1

Table 228

C-130B (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Composite for Mission III (Training)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8		2					2
1.5 TO 1.6	1	9	1				11
1.4 TO 1.5	1	11	1				13
1.3 TO 1.4	15	37	5	2			59
1.2 TO 1.3	60	85	9	3			157
1.1 TO 1.2	179	496	32	1			708
0.8 TO 0.9	118	501	17	2			638
0.7 TO 0.8	12	20	1				33
0.6 TO 0.7	2	5	1				8
0.4 TO 0.6							
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	245.2	849.5	138.5	1.2			1234.4

Table 229

JC-130 (Restricted Operation) — Distribution of Maneuver Load Factors by Equivalent Airspeed — Mission 7 (Airdrop)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1	1				2
1.6 TO 1.8		5					5
1.5 TO 1.6	2	3					5
1.4 TO 1.5	13	11	3				27
1.3 TO 1.4	68	34	1				103
1.2 TO 1.3	196	123	6				325
1.1 TO 1.2	825	570	51				1446
0.8 TO 0.9	356	329	24				709
0.7 TO 0.8	46	24					70
0.6 TO 0.7	6	2					8
0.4 TO 0.6	1		1				2
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	3659.6	2814.1	310.9				6789.6

Table 230

JC-130 (Restricted Operation) — Distribution of Maneuver Load
Factors by Equivalent Airspeed — Mission II
(Logistics and Cross Country)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.6							
2.4 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0		1					1
1.6 TO 1.8							
1.5 TO 1.6		1					1
1.4 TO 1.5		1					1
1.3 TO 1.4		1					1
1.2 TO 1.3	1	8					9
1.1 TO 1.2	8	39	5				52
0.8 TO 0.9	3	13	2				18
0.7 TO 0.8		3					3
0.6 TO 0.7							
0.4 TO 0.6			1				1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	5.4	494.6	46.4				546.4

Table 231

JC-130 (Restricted Operation) — Distribution of Maneuver Load
Factors by Equivalent Airspeed — Mission III (Training)

LOAD FACTOR NZ	EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
	LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE 2.8							
2.6 TO 2.8							
2.0 TO 2.4							
1.8 TO 2.0							
1.6 TO 1.8							
1.5 TO 1.6	1	1					2
1.4 TO 1.5	1						1
1.3 TO 1.4	8	20	1				29
1.2 TO 1.3	34	62	5				101
1.1 TO 1.2	184	334	36				554
0.8 TO 0.9	111	133	10				254
0.7 TO 0.8	9	19					28
0.6 TO 0.7							
0.4 TO 0.6		1					1
0.2 TO 0.4							
0.0 TO 0.2							
BELOW 0.0							
FLT TIME (MIN)	326.2	1001.3	31.0				1358.4

Table 232

**HC-130G (Restricted Operation) — Distribution of Maneuver Load
Factors by Equivalent Airspeed — Mission II
(Logistics and Cross Country)**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5							
1.3 TO	1.4							
1.2 TO	1.3	1	1					2
1.1 TO	1.2	8	37	4				49
0.8 TO	0.9	7	8					15
0.7 TO	0.8							
0.6 TO	0.7							
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		13.3	412.5	25.9				456.7

Table 233

**HC-130G (Restricted Operation) — Distribution of Maneuver Load
Factors by Equivalent Airspeed — Mission III (Training)**

LOAD FACTOR NZ		EQUIVALENT AIRSPEED - VE (KNOTS)						TOTAL NZ
		LESS THAN 150	150 TO 200	200 TO 250	250 TO 300	300 TO 350	350 AND ABOVE	
ABOVE	2.8							
2.4 TO	2.8							
2.0 TO	2.4							
1.8 TO	2.0							
1.6 TO	1.8							
1.5 TO	1.6							
1.4 TO	1.5		1					1
1.3 TO	1.4	5	2	1				8
1.2 TO	1.3	22	36	7				65
1.1 TO	1.2	146	173	13				332
0.8 TO	0.9	91	101	6				198
0.7 TO	0.8	6	17	2				25
0.6 TO	0.7	2	1					3
0.4 TO	0.6							
0.2 TO	0.4							
0.0 TO	0.2							
BELOW	0.0							
FLT TIME (MIN)		115.5	281.5	39.9				436.9

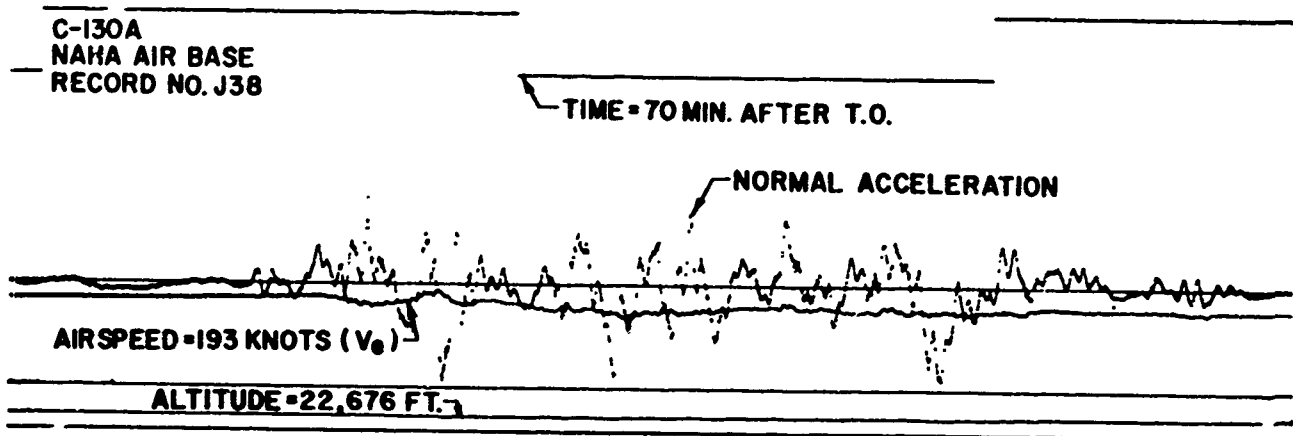
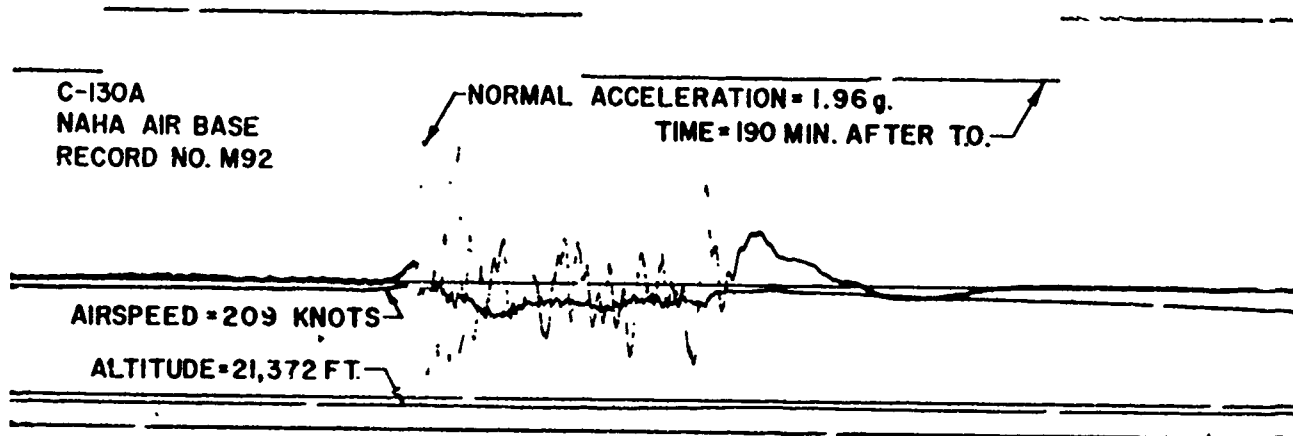


Figure 75. Photographic Reproduction of Oscillogram Sections Evidencing the Severity Caused by High-Altitude Atmospheric Turbulence

REFERENCES

1. Braun, Joseph F., Flight Loads Instrumentation of C-130 Aircraft, Technology Incorporated Report No. 9845-IR-003, March 1963.
2. Joseph, Erwin, The Spectrum of Turbulence for Aircraft Fatigue Analysis, WCL SSC-10 Memorandum, July 1959.
3. Structural Design Criteria - YC-130 and C-130A Medium Cargo Airplane, Lockheed Aircraft Corporation Report No. LR-8236, 29 July 1952.
4. Structural Design Criteria - C-130B Tactical Cargo Airplane, Lockheed Aircraft Corporation Report No. ER-2428, 13 June 1957.
5. Aerodynamic Data for Structural Design, C-130B, Lockheed Aircraft Corporation Report No. ER-2899, June 1958.
6. Flight Manual, USAF SERIES C-130A AIRCRAFT, T. O. IC-130A-1, 20 February 1961.
7. Flight Manual, USAF SERIES C-130B AIRCRAFT and USAF SERIES SC-130B AIRCRAFT, T. O. IC-130B-1, 31 December 1962.